



**RCPAQAP**  
RCPA Quality Assurance Programs

# 2016 Product Catalogue

*Protecting patients*

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# RCPA Quality Assurance Programs Pty Ltd

RCPA Quality Assurance Programs Pty Ltd (RCPAQAP) was formed in 1988 by the Royal College of Pathologists of Australasia (RCPA) and has evolved to become one of the world's leading external quality assurance (EQA) providers to pathology laboratories in Australia and globally. Programs are provided for all disciplines of pathology.

All Programs have been developed with assistance from a number of professional bodies and with significant input from participating laboratories.

In line with our company's philosophy all Programs are intended to continually improve the practice and standards of pathology services and health of patients.

## Company accreditation

### ISO/IEC 17043:2010

The RCPAQAP is accredited for compliance with ISO/IEC 17043 Conformity assessment - General requirements for proficiency testing.



Accredited for compliance with ISO/IEC 17043

Accreditation Number: 14863

### ISO 9001:2008

The Company, including all disciplines and support services are certified to ISO 9001:2008



FS 605318

## Company structure

Discipline-related Programs consist of individual business units, each representing a pathology discipline or Program.

**Anatomical Pathology**

**Biosecurity**

**Chemical Pathology**

**Cytopathology**

**Haematology**

**Immunology**

**KIMMS**

**Microbiology**

**Molecular Genetics**

**Point-of-Care Testing**

**Serology**

**Synovial Fluid**

**Transfusion**

**Training and Competency Assessment (TACA)**

**Virtual Microscopy**

## **Privacy policy**

RCPAQAP respects the rights of individuals to privacy and the confidentiality of information about individuals it deals with. RCPAQAP is bound by the Australian Privacy Principles ("APPs") contained in the Privacy Amendment (Enhancing privacy Protection) Act 2012 ("Privacy Amendment Act"). The Principles are designed to protect the confidentiality of personal information and the privacy of individuals by regulating the way personal information is managed. Information gathered in the course of RCPAQAP administered programs, which identifies the laboratory participating in those programs (Identifying Information), is strictly confidential, except as detailed below.

RCPAQAP keeps all participant details confidential. Such details will not be disclosed to a third party, unless required by legislation, without the prior written consent of the participant. In the course of administering its programs, Identifying Information is only made available to the employees of the specific discipline Program, except where written permission for its release to a third party has been sought and given by a participant laboratory. In addition, where RCPAQAP administers programs in co-operation with the Federal government, RCPAQAP may be required by the Federal government, its delegates or employees to release Identifying Information to NATA.

Further information on our Privacy Policy can be found at: [www.rcpaqap.com.au](http://www.rcpaqap.com.au)



# Enrolment Office

## Overview

The Enrolment Office provides a single point of contact for all enrolment enquiries. Enrolments must be completed online using myQAP. For any enquiries or issues with myQAP, please contact the Enrolment Office.

## Enrolment period

Programs offered by the RCPAQAP are organised over a calendar year from January to December. Whilst the key time for participants to enrol is September to December of the preceding year, enrolments are offered throughout the year, for most programs, depending on sample availability.

## Future Developments

### Telephone System

After various Focus Group meetings and information obtained from customer feedback, it was brought to our attention that the current RCPAQAP telephone system required review. As a result of this, a decision has been made to change the current telephone structure to allow for a more streamlined method of contact and to ensure that calls are directed to the most appropriate department to offer assistance and promptly resolve any enquiries.

### EQuAlity (Participant Numbering Project)

We are currently in the process of researching the possible benefits of changing the Participant Numbering logic. Our aim is to enable contacts to easily manage multiple participant numbers via myQAP and allow for a single point of access for on-line submission of results. This Project is in the early research phase and we are keen to obtain advice from a business analyst before we move forward. We wish to assure our participants that your feedback is very valuable to us and that no changes will be made to the numbering system until we have consulted with our customers to obtain information regarding the necessary requirements.

### Quality Review System (PDF Reports)

In addition to the Electronic PDF reports that were introduced in 2013, the RCPAQAP developed a Quality Review feature within myQAP that allows participant contacts to review, flag and add comments to survey reports. This functionality was trialed with a small test group of participants and as a result of the positive feedback, it has now been made available to all Organisations. This feature can be utilised by laboratory staff and Quality Managers and offers the advantage of easily managing the performance of multiple laboratories/sites.

## Enrolment office contact details

Suite 201, Level 2, 8 Herbert Street  
St Leonards NSW 2065  
AUSTRALIA  
email: [enrolment@rcpaqap.com.au](mailto:enrolment@rcpaqap.com.au)

**Australia**  
phone: 1300 78 29 20  
fax: 1300 78 29 21

**International**  
phone: +61 2 9045 6000  
fax: +61 2 9356 2003

## Payment

All invoices should be paid in **AUSTRALIAN Dollars**. On completion of enrolment via myQAP, a Tax Invoice is automatically generated and participants are then provided with several payment options.

**IMPORTANT NOTE:** *To avoid a delay in the processing of payment and to ensure the allocation of payment to the correct invoice please forward your remittance advice to [remittance@rcpaqap.com.au](mailto:remittance@rcpaqap.com.au)*

### PAYING BY myQAP – PAY GATEWAY

Click on the 'Invoices' tab in myQAP and select the 'Pay Now' icon next to the relevant invoice and follow the steps to pay the invoice on-line.

myQAP > Invoice Tab > 

### PAYING BY CREDIT CARD

The below section can be found on the last page of the RCPAQAP invoice and must be completed in full and returned for prompt processing.

Credit Card: (Amex not accepted) \_\_ Visa \_\_ Mastercard

Card No: \_\_\_\_\_

Expiry Date.....

Cardholder's Name.....

Cardholder's Signature.....

### PAYING BY ELECTRONIC FUNDS TRANSFER (EFT)

Company Name: RCPA Quality Assurance Programs Pty Limited

Account Name: RCPA Quality Assurance Programs Pty Limited- Enrolment Account

Bank: Westpac Bank

Branch: Sydney

BSB No: 032-000

Swift code: WPAC AU2S

Account No: 186614

### PAYING BY INTERNET BANKING – BPAY®

Contact your bank or financial institution to make this payment from your cheque, savings, debit, credit card or transaction account.

More info: [www.bpay.com.au](http://www.bpay.com.au)



### PAYING BY CHEQUE

Please make cheques payable to "RCPA QUALITY ASSURANCE PROGRAMS PTY LTD" and return together with the remittance advice to:

Enrolment Office

RCPA Quality Assurance Programs Pty Ltd

Suite 201, Level 2, 8 Herbert Street

St Leonards NSW 2065

AUSTRALIA



# Anatomical Pathology Discipline

The RCPAQAP Anatomical Pathology offers modules in the areas of diagnostic and technical proficiency of histopathology laboratories.

**Diagnostic** survey cases are selected to demonstrate either classical histological features of a disease process, common disease processes observed in routine pathology laboratories or critical disease processes of educational value to participants.

**Technical** survey cases are selected on similar criteria of classical, common or critical features to be demonstrated by routine methods in the laboratory.

For more details please consult the Anatomical Pathology website <https://anatomical.rcpaqap.com.au/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal. The diagnostic proficiency programs offered are for laboratories (collective response) and individual pathologists. Laboratories requiring participation in an external proficiency testing program for Australian accreditation may enrol in the technical and immunohistochemistry programs.

## Diagnostic Proficiency Programs

### General Module

10 cases per survey / 3 surveys per year

Test	Sample Type
General Anatomical Pathology	DVD-ROM and available via the website.

### Breast Pathology Module

10 cases per survey / 2 surveys per year

Test	Sample Type
Breast Pathology	DVD-ROM and available via the website.

### Oral & Maxillofacial Pathology Module

10 cases per survey / 2 surveys per year

Test	Sample Type
Oral and Maxillofacial Pathology	DVD-ROM and available via the website.

## Specialist Diagnostic Programs

### Dermatopathology Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Dermatopathology	DVD-ROM and available via the website.

### Mohs Diagnostic Module

5-10 cases per survey / 1 survey per year

Test	Sample Type
Mohs Diagnostic Pathology	Online multiple-choice questionnaire.

### Forensic Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Forensic Pathology	DVD-ROM and available via the website.

### Gynaecology Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Gynaecological Pathology	DVD-ROM and available via the website.

### Paediatric Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Paediatric Pathology	DVD-ROM and available via the website.

### Urology Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Urological Pathology	DVD-ROM and available via the website.

### Neuropathology Specialist Module

12 cases per survey / 1 survey per year

Test	Sample Type
Neuropathology	DVD-ROM and available via the website.

### Gastrointestinal Specialist Module

10 cases per survey / 1 survey per year

Test	Sample Type
Gastrointestinal Pathology	DVD-ROM and available via the website.





## Technical Proficiency Programs

### Technical Module

1-2 exercises per survey / 3 surveys per year

year

Test	Sample Type
Routine Anatomical Pathology	Unstained slides. Formalin fixed paraffin wax sections

### Technical Frozen Module

1 exercise per survey / 1 survey per year

Test	Sample Type
Frozen sections	Stained section provided by participant

## Combined Diagnostic & Technical Programs

### Electron Microscopy

5 exercises per survey / 1 survey per year

Test	Sample Type
Electron microscopy	Technical exercise (Submission of electro micrographs) Lab Practice Questionnaire (provided every 2 <sup>nd</sup> Year). An educational exercise will replace the Questionnaire when not offered. 2 x diagnostic exercises on DVD-ROM and available via the website.

## Immunohistochemistry Proficiency Programs

### Neuropathology Immunohistochemistry & Technical

2 exercises per survey / 1 survey per year

Test	Sample Type
Neuropathology Immunohistochemistry and Technical	Unstained slides. Formalin fixed paraffin wax sections

### Immunohistochemistry Technical Markers

3 exercises per survey / 1 survey per year

Test	Sample Type
Routine Immunohistochemistry	Unstained slides. Formalin fixed paraffin wax sections

### Immunohistochemistry Breast Markers

6 exercises per survey / 1 survey per year

Test	Sample Type
Breast Immunohistochemistry	Unstained slides. Formalin fixed paraffin wax sections

### [Immunohistochemistry Breast Markers Audit](#)

100 cases per survey /1 survey

Test	Sample Type
Breast Markers Audit	Breast marker audit of cases reported by participant (No survey material provided)

### [Immunohistochemistry Lymphoma Markers](#)

3 exercises per survey /1 survey per year

Test	Sample Type
Lymphoma Immunohistochemistry	Unstained slides. Formalin fixed paraffin wax sections

### [HER2 BRISH \(Breast\) Module](#)

6 cases per survey /2 surveys per year

Test	Sample Type
HER2 BRISH Breast	DVD-ROM and available via the website.

### [HER2 BRISH \(Gastric\) Module](#)

6 cases per survey /1 survey per year

Test	Sample Type
HER2 BRISH Gastric including Immunohistochemistry techniques (combined Diagnostic and Technical survey)	Unstained slides. Formalin fixed paraffin wax sections

### [Lung Carcinoma Immunohistochemistry Technical Module](#)

1 exercise per survey /1 survey per year

Test	Sample Type
Lung Carcinoma Immunohistochemistry	Unstained slides. Formalin fixed paraffin wax sections



# Biosecurity Discipline

In 2008 the Australian Government established a two tiered list of Security Sensitive Biological Agents (SSBA) as part of the SSBA Regulatory Scheme for the control of select agents and toxins. Funding was subsequently made available through the Department of Health to establish RCPAQAP Biosecurity, with the aim of providing a quality assurance and proficiency testing program (PTP) for Tier 1 and Tier 2 SSBA, other potential agents and communicable disease threats. The program now offers surveys to Australian and approved overseas laboratories with a view to building and enhancing laboratory capacity and capability to detect, analyze, identify and report on these agents.

Refer to the Australian Government Department of Health website for current Security Sensitive Biological Agents Lists. <http://www.health.gov.au/SSBA#list>

All enquiries regarding the content and cost of the RCPAQAP Biosecurity program should be directed to [biosecurity@rcpaqap.com.au](mailto:biosecurity@rcpaqap.com.au)

After consultation with the RCPAQAP Biosecurity team, enrolments for the program should be arranged through the RCPAQAP Enrolment office, [enrolment@rcpaqap.com.au](mailto:enrolment@rcpaqap.com.au).

## 2016 Programs

New modules
Rabies Specimen Modules - includes Serological testing
SSBA African Viral Specimen Module - Lassa Fever Virus now included
SSBA eLearning Modules for both Anthrax and Smallpox

## Specimen Modules

<p><b>Modules</b> – Available to Australian laboratories that require the capability to test for SSBA, other potential agents and communicable disease threats and to a select number of Department of Health approved overseas laboratories. These include the Public Health Laboratory Network (PHLN) modules.</p>
<p><b>Bacterial modules</b></p> <ul style="list-style-type: none"> <li>• Clinical or environmental analytes</li> <li>• Derivations of vaccine strains</li> <li>• Genetic material</li> <li>• Inactivated bacteria</li> <li>• Surrogate organisms</li> </ul>
<p><b>Viral modules</b></p> <ul style="list-style-type: none"> <li>• Genetic material</li> <li>• In vitro RNA Transcripts</li> <li>• Inactivated viruses</li> </ul>
<p><b>Toxin modules</b></p> <ul style="list-style-type: none"> <li>• Non-toxic subunits</li> <li>• Inactivated toxins</li> <li>• Non-toxin producing strains</li> </ul>

## Virtual Module

<p><b>Modules</b> - Available to all laboratories within Australia and approved international laboratories.</p>
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## eLearning Module

<p><b>Modules</b> - Available to all laboratories within Australia and approved international laboratories.</p>
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## Simulated Exercises in Biopreparedness

<p><b>Modules</b> – Specimen or Virtual Modules available to selected laboratories within Australia.</p>
<p>Exercises designed to test the biopreparedness of a select group of laboratories.</p>

Please refer to Biosecurity Participant Handbook or the website for further details on annual survey material:

<http://www.rcpaqap.com.au/biosecurity/>



# Chemical Pathology Discipline

The RCPAQAP Chemical Pathology is run in association with the Australasian Association of Clinical Biochemists (AACB) whose members provide expertise and assistance in many specialised Working Parties. The Working Parties are involved in setting target values, providing expert opinion for reports, participant queries, and collecting and preparing quality assurance material. Please consult the RCPAQAP website for more detailed information on the Chemical Pathology discipline.

<http://www.rcpaqap.com.au/chempath>

## General

All Chemical Pathology Full Programs are made up of two components:

- Data Management – which includes result entry, data management, and all associated Survey, End-of-Cycle and KPI reports. A Participant Handbook and Schedules, along with all Result, Method, and Correction Sheets which are supplied in the RCPAQAP myQAP online customer portal [www.myqap.com.au](http://www.myqap.com.au)
- Material - a complete set of material containing all the samples to be analysed for the full enrolment year is distributed to participants following enrolment. The material is lyophilised unless indicated otherwise.

Only one method code is permitted per analyte. If a participant wishes to report more than one method code per analyte then a new Participant Number is required and an additional Data Management enrolment may be purchased.

Participants can log a Request through myQAP, or contact the Enrolment Office to set up a new Participant Number.

### Data Management Only

Purchasing a Data Management enrolment is useful when the material from the Full Program can be shared with a second instrument or a satellite/branch laboratory.

**NOTE:** A Participant Number may have either a Full Program **OR** a Data Management enrolment, **NOT BOTH**

### Modules

All Chemical Pathology modules are available separately.

### Additional Material

Laboratories may obtain an additional set of materials if the volume provided in each vial is insufficient for the number of analytes the laboratory will test. There will be an associated administration and processing fee for any additional material provided.

2016 Program Changes	
<b>Endocrine Program</b>	Holo-transcobalamin, P1NP, s-βCTX and DHT have been added to the program
	<5 analytes option now available
<b>General Serum Chemistry</b>	<5 analytes option now available
<b>Liquid Serum Chemistry Program</b>	Holo-transcobalamin, P1NP, s-βCTX and DHT have been added to the program
<b>PoCT Chemistry Program</b>	No longer available
<b>Supervisor Reports</b>	Only Supervisor Reports will be available from 2016 Participants will need to enrol through the myQAP portal
<b>Tumour Markers Program</b>	<5 analytes option now available

### Alcohol / Ammonia

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Alcohol                      Ammonia	Aqueous BSA	3mL

### Bile Acids

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Total Bile Acids	Lyophilised Serum	2mL

### Blood Gases

2 samples per survey / 12 surveys

Test	Sample Type	Volume
pH                      Potassium                      Ionised Calcium	Aqueous Bovine Albumin Buffered Matrix	2.5mL
pCO <sub>2</sub> Chloride                      Urea		
pO <sub>2</sub> Glucose                      Creatinine		
Sodium                      Lactate		

**Note:** Abbott i-STAT and Alere epoc devices should enrol in the PoCT Blood Gases Program.

### BNP

2 samples per survey / 12 surveys

Test	Sample Type	Volume
B-type Natriuretic Peptide (BNP) N-terminal Prohormone B-type Natriuretic Peptide (NT-pro BNP)	Lyophilised Serum	0.5mL

### Co-oximetry

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Haemoglobin                      Oxyhaemoglobin Carboxyhaemoglobin                      Methaemoglobin	Lyophilised Bovine Haemoglobin	0.5mL

**Note:** This program is not suitable for Abbott i-STAT devices.



## CSF Chemistry

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Total Protein Immunoglobulin G Glucose Lactate Albumin Xanthochromia Screen – Haemoglobin (absorbance & qualitative) Xanthochromia Screen – Bilirubin (absorbance, concentration & qualitative)	Lyophilised CSF	2mL

## CSF Oligoclonal Bands

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Oligoclonal Banding (CSF) Interpretive Comment	Oligoclonal Banding (serum) Lyophilised CSF + Lyophilised Matching Serum	0.5mL

## Endocrine

2 samples per survey / 12 surveys

Test	Sample Type	Volume
AFP hCG SHBG Aldosterone Holotranscobalamin (Active B12) Testosterone Androstenedione Homocysteine DHT s-βCTX 17-Hydroxyprogesterone TSH CA 125 Insulin Free T3 CEA LH Total T3 Cortisol Oestradiol Free T4 DHEA Sulphate Oestriol (Unconjugated) Total T4 Ferritin PTH Vitamin B12 Folate Progesterone Vitamin D3 FSH Prolactin Growth Hormone P1NP	Lyophilised Serum	5mL

**Note:** Discounted pricing options are available for: <10 analytes  
<5 analytes

## Endocrine PSA

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Total PSA Free PSA	Lyophilised Serum	3mL

## Endocrine Red Cell Folate

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Red Cell Folate	Lyophilised Whole Blood	1mL

## Endocrine ACE

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Angiotensin Converting Enzyme (ACE)	Lyophilised Serum	0.25mL

## Faecal Occult Blood

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Faecal Occult Blood (Qualitative)	Lyophilised Human Blood	1mL

**Note:** Suitable for immunological methods only.

## General Serum Chemistry

2 samples per survey / 24 surveys

Test	Sample Type	Volume
Albumin Bicarbonate Bilirubin-Total Bilirubin-Conjugated Calcium Chloride Creatinine Fructosamine Glucose Lactate Lithium Magnesium Osmolality Phosphate (Inorganic) Potassium Protein (Total) Sodium Urate Urea Troponin I (quantitative) Troponin T (quantitative) Troponin T (semi-qualitative) Roche Cardiac Reader only Troponin T (qualitative)	<b>Enzymes</b> ALT Alkaline Phosphatase Amylase AST Cholinesterase Creatine Kinase CK-MB GGT Lactate Dehydrogenase Lipase Iron TIBC Transferrin Ferritin <b>Lipids</b> Cholesterol HDL Cholesterol Triglyceride	<b>Endocrine</b> Cortisol Thyroxine Free T4 TSH Total T3 Free T3 hCG (quantitative) hCG (qualitative) <b>Drugs</b> Carbamazepine Digoxin Paracetamol Phenobarbitone Phenytoin Salicylate Theophylline Valproate Gentamicin Vancomycin
	Lyophilised Serum and Matching Diluent	5mL

**Note 1.** Discounted pricing options available for:

31 – 40 analytes	21 – 30 analytes
11 – 20 analytes	<10 analytes
<5 analytes	

**Note 2.** Troponin T (semi-qualitative) on Roche Instruments. Participants using the Roche Cardiac Reader should enrol in the General Serum Chemistry Program. Participants using Roche cobas h232 instruments should enrol in the PoCT Troponin Program. This is due to the different cut-offs, standardisation and units of these 2 instruments.





## Glycohaemoglobin Lyophilised

2 samples per survey / 12 surveys

Test	Sample Type	Volume
HbA1c	Lyophilised Whole Blood	0.2mL

**Note:** This program is not suitable for Alere Afinion devices. Participants using the Alere Afinion should enrol in the Glycohaemoglobin Whole Blood program.

## Glycohaemoglobin Whole Blood

2 samples per survey / 3 surveys

Test	Sample Type	Volume
HbA1c	Fresh EDTA Whole Blood	0.3mL

## IGF-1/C Peptide

2 samples per survey / 12 surveys

Test	Sample Type	Volume
IGF-1                      C Peptide                      IGF-BP3	Lyophilised Serum	1mL

## Liquid Serum Chemistry

2 samples per survey / 1 survey

Test	Sample Type	Volume
Albumin	Fresh Frozen Serum	3mL
Bicarbonate		
Bilirubin-Total		
Bilirubin- Conjugated		
Calcium		
Chloride		
Creatinine		
Fructosamine		
Glucose		
Lactate		
Magnesium		
Osmolality		
Phosphate(Inorganic)		
Potassium		
Protein (Total)		
Sodium		
Urate		
Urea		
ALT		
Alkaline Phosphatase		
Amylase		
AST		
Cholinesterase		
Creatine Kinase		
GGT		
Lactate Dehydrogenase		
Lipase		
Cholesterol		
Triglyceride		
HDL Cholesterol		
Non HDL Cholesterol		
Iron		
TIBC		
Ferritin		
Transferrin		
Transferrin Saturation		
DHT		
Cortisol		
DHEA Sulphate		
Folate		
FSH		
Growth Hormone		
LH		
Oestradiol		
Progesterone		
Prolactin		
P1NP		
SHBG		
s-βCTX		
Testosterone		
Vitamin B12		
Active B12 (Holotranscobalamin)		
Vitamin D3		
TSH		
Free T4		
Free T3		
Anion Gap		
Adjusted Calcium		
eGFR		
Osmolar Gap		
Calculated LDL		
Globulins		

**Note:** This program is currently not offered to overseas participants.

## Neonatal Bilirubin

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Total Bilirubin                      Conjugated Bilirubin	Lyophilised Serum	2mL

## On-Site Urine Toxicology Screening

1 sample per survey / 12 surveys

Test	Sample Type	Volume
Amphetamine                      Cocaine metabolites Methamphetamine                      Cannabis metabolites Benzodiazepines                      Opiates	Lyophilised Urine	10mL

## Patient Report Comments

The Patient Report Comments Program is designed for commenting on patient biochemistry results. A set of patient results is provided to participants. Participants are asked to provide comments they would typically add to the report or give verbally. Ten cases are provided per year. Enrolment is for an individual person. Samples are not issued with this program.

## Plasma Metanephrines

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Metanephrine Normetanephrine 3-Methoxythyramine	Lyophilised Plasma	3mL

## Point-of-Care Testing Blood Gases

2 samples per survey / 12 surveys

Test	Sample Type	Volume
pH            Sodium            Glucose            Ionised Calcium pCO <sub>2</sub> Potassium            Haemoglobin            Haematocrit pO <sub>2</sub> Chloride            Lactate            Creatinine TCO <sub>2</sub> Urea	Aqueous Bovine Albumin Buffered Matrix	2.5mL

**Note:** Suitable for devices such as the Abbott i-STAT and Alere epoc devices.

## Point-of-Care Testing Troponin

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Troponin I                      Troponin T (semi-quantitative)	Lyophilised Plasma	1mL

**Note:** Suitable for devices such as Abbott i-STAT and Roche cobas h232



## Porphyryns Urine

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Urine Total Porphyrin	Urine ALA	Lyophilised Urine	5mL
Quantitative Porphobilinogen	Urine Porphyrin Components		
Qualitative Porphobilinogen			

## Porphyryns Plasma

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Plasma Total Porphyrin	Plasma Porphyrin Components	Lyophilised Plasma	5mL

## Porphyryns Faeces

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Faecal Dry Weight		Faeces	
Faecal Total Porphyrin			
Faecal Porphyrin Components			

## Porphyryns Whole Blood

2 samples per survey / 6 surveys

Test		Sample Type	Volume
Whole Blood Total Porphyrin		Lyophilised Whole Blood	5mL
Whole Blood Total Porphyrin Clinical Evaluation			
Whole Blood Porphyrin Fractions			

## Porphyrin Patient Report Comments

Three clinical cases are offered each year. A set of patient porphyrin results is provided to participants. Participants are asked to return comments they would typically add to a report or give verbally. This module is only available to participants who enrol in any of the main Porphyrin programs. There is no extra charge for participation.

## Special Drugs

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Amiodarone	Tricyclic Antidepressants	Amikacin	Lyophilised Serum
Clozapine	(Qualitative)	Gentamicin	
Methotrexate	Amitriptyline	Tobramycin	
Mycophenolate	Nortriptyline	Vancomycin	

## Immunosuppressants

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Cyclosporin	Tacrolimus	Lyophilised Whole Blood	2mL
Sirolimus			

## Special Lipids

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Cholesterol	Apolipoprotein A1	Lyophilised Serum	2mL
HDL Cholesterol	Apolipoprotein B		
LDL Cholesterol	Lipoprotein (a)		
Triglyceride			

## Sweat Electrolytes

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Chloride	Sweat Conductivity	Aqueous NaCl Solution	1mL
Clinical Evaluation			

## Trace Elements

**Note:** The RCPAQAP Trace Elements Program has joined the Occupational and Environmental Laboratory Medicine Trace Elements Program (OELM) for serum, urine and blood trace elements. This is a federation of 6 countries and the advantage of this is a much larger peer group for most methods. The enrolment year for this program will run from April to March. Result entry will be electronic only. OELM and RCPAQAP style reports will both be available to participants.

## Trace Elements Serum

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Aluminium	Magnesium	Frozen Bovine Serum	2mL
Chromium	Selenium		
Cobalt	Thallium		
Copper	Vanadium		
Lithium	Zinc		

## Trace Elements Urine

2 samples per survey / 12 surveys

Test		Sample Type	Volume
Arsenic	Magnesium	Frozen Human Urine	3mL
Cadmium	Manganese		
Chromium	Mercury		
Cobalt	Nickel		
Copper	Selenium		
Iodine	Thallium		
Iron	Vanadium		
Lead	Zinc		



## Trace Elements Whole Blood

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Arsenic Cadmium Cobalt Chromium Lead Magnesium	Manganese Mercury Selenium Thallium Zinc	Frozen Human Blood 3mL

## Tumour Markers

2 samples per survey / 12 surveys

Test	Sample Type	Volume
ACTH Alpha-fetoprotein Beta-2-Microglobulin Calcitonin CEA	CA 125 CA 15-3 CA 19-9 Gastrin hCG	NSE Total PSA Prolactin Thyroglobulin
	Lyophilised Serum	2mL

**Note:** A discounted pricing option is available for <5 analytes.

## General Urine Chemistry

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Albumin ACR Calcium Chloride Cortisol Creatinine Free Deoxyipyridinoline Glucose hCG-Qualitative hCG-Quantitative	Magnesium N-Telopeptides Osmolality Phosphate Potassium Sodium Total Protein Urate Urea	Lyophilised Urine 10mL

**Note:** A discounted pricing option is available for <5 analytes.

## Biogenic Amines

1 sample per survey / 12 surveys

Test	Sample Type	Volume
Noradrenaline 5HIAA Adrenaline Dopamine HMMA	HVA 3-Methoxytyramine Metanephrine Normetanephrine Serotonin Clinical Evaluation Component	Lyophilised Urine 10mL

## Urine Pregnancy

2 samples per survey / 6 surveys

Test	Sample Type	Volume
hCG (Qualitative)	Lyophilised Urine	10mL

## Urine Toxicology

1 sample per survey / 12 surveys

Test	Sample Type	Volume
Qualitative and Quantitative Drug Testing      Creatinine	Lyophilised Urine	10mL

**Note:** 10 mLs of lyophilised sample is provided. Laboratories using non-immunoassay methodology may need to obtain an additional set of material.

## Vitamins Serum

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Vitamin A Vitamin E β-carotene Total Carotenoids Serum Vitamin B6	Lyophilised Serum	2mL

## Vitamins Whole Blood

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Vitamin B1 Vitamin B2 Vitamin B6	Lyophilised Whole Blood	4mL

## Vitamin C

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Vitamin C	Lyophilised Serum	2mL



## Additional Programs for Overseas Participants

The following programs are only available to participants outside Australia and New Zealand.

### Condensed Serum Chemistry

2 samples per survey / 12 surveys

Test	Sample Type	Volume
Albumin	Lyophilised Serum and Matching Diluent	5mL
Bicarbonate		
Bilirubin-Total		
Bilirubin-Conjugated		
Calcium		
Chloride		
Creatinine		
Fructosamine		
Glucose		
Lactate		
Lithium		
Magnesium		
Osmolality		
Phosphate (Inorganic)		
Potassium		
Protein (Total)		
Sodium		
Urate		
Urea		
Troponin I (quantitative)		
Troponin T (quantitative)		
Troponin T (semi-qualitative) Roche Cardiac reader only		
Troponin T (qualitative)		

**Note:** Discounted pricing options for:

31 – 40 analytes

21 – 30 analytes

11 – 20 analytes

<10 analytes

<5 analytes

## Cytopathology Discipline

The RCPAQAP Cytopathology offers external quality assurance modules that encompass both gynaecological and non-gynaecological Cytopathology practice. Surveys comprise glass slides, DVDs containing virtual cases, staining exercises and questionnaires on laboratory practice. Laboratories may enrol in any or all of the modules.

<http://www.rcpaqap.com.au/cytopathology/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

### Gynaecological Cytopathology

5 cases per survey / 4 surveys / year

Test	Abbreviation	Sample Type
Conventional gynaecological	GYN	Five Conventional cervical smears per survey
Liquid-based ThinPrep gynaecological	THP	Five Liquid- based cervical smears per survey
Liquid-based Surepath gynaecological	SUP	

### Performance Measures

2 surveys per year

Test	Abbreviation	Sample Type
Performance Measures *	PM	Collection of data for NPAAC Performance Measures

\* Australian Laboratories Only

### Non-gynaecological Cytopathology

4 cases per survey / 4 surveys

Test	Abbreviation	Sample Type
Non-gynaecological General	GEN	Four virtual cases per survey
Non-gynaecological Fine needle Aspiration	FNA	Four virtual cases per survey





# Haematology Discipline

Surveys are dispatched each month within the year with a wide range of samples for both routine and specialist haematology testing. For more information on survey dispatches please review the Haematology Participant Handbook located in myQAP ([www.myqap.com.au](http://www.myqap.com.au) - Documents tab). Prices for participation are listed in the RCPAQAP myQAP online customer portal, “enrolment” tab.

2016 Program Changes	
Oncology Immunophenotyping	Name change to Haematology Immunophenotyping
Malarial Parasite Rapid Kit Testing	Option now available
Bone Marrow Morphology	Option now available
POC – Thromboelastometry/Thromboelastography	Option now available
Automated Differential – Module 6 (3 part diff)	Option no longer available

## Full Blood Count (FBC)

2 samples per survey / 12 surveys

Tests	Abbreviation	Sample Type	Volume
White Blood Cells	WBC	Stabilised whole blood	1.5mL
Red Blood Cells	RBC		
Haemoglobin	Hb		
Haematocrit	HCT		
Mean Cell Volume	MCV		
Mean Cell Haemoglobin	MCH		
Mean Cell Haemoglobin Concentration	MCHC		
Red Cell Distribution Width - CV	RDW-CV		
Platelet	PLT		
Mean Platelet Volume	MPV		

## Haemostasis

2 samples per survey / 8 surveys

Tests	Abbreviation	Sample Type	Volume
International Normalised Ratio	INR	Lyophilised plasma	1mL
Activated Partial Thromboplastin Time	APTT		
Fibrinogen	Fib		
Thrombin Time	TT		

## D-Dimer

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
<b>Module 1</b>			
D-Dimer – fully quantitative	D-Dimer	Stabilised Liquid	1mL
<b>Module 2</b>			
D-Dimer – semi quantitative / qualitative	D-Dimer	Lyophilised plasma	0.5mL

## Additional Factors

Module 1: 2 samples per survey / 6 surveys

Module 2: 2 samples per survey / 3 surveys

Tests	Abbreviation	Sample Type	Volume
<b>Module 1</b>			
Factor VIII	FVIII	Lyophilised plasma	1mL
Factor IX	FIX		
<b>Module 2</b>			
Factor II	FII	Lyophilised plasma	1mL
Factor V	FV		
Factor VII	FVII		
Factor X	FX		
Factor XI	FXI		
Factor XII	FXII		

## Haemoglobinopathy

1 sample per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Haemoglobin A <sub>2</sub>	Hb A <sub>2</sub>	Lyophilised haemolysate	1mL
Haemoglobin F	Hb F		
Variant Haemoglobin	Variant		

## Morphology

3 samples per survey / 4 surveys

## Manual Differential

1 sample per survey / 12 surveys

Tests	Sample Type	Volume
Morphology Program	Blood Film	
Blood Film Differential Count	Blood Film	
Morphology Educational DVD – Virtual Images	DVD	

## Paediatric Morphology – Virtual Microscopy

2 cases per survey / 2 surveys

Tests	Sample Type	Volume
Description & Diagnostic Interpretation of Paediatric blood films	DVD - Virtual images	



## Bone Marrow Morphology – Virtual Microscopy <sup>NEW</sup> 2 cases per survey / 2 surveys

Tests	Sample Type	Volume
Description & Diagnostic Interpretation of peripheral blood films, Bone Marrow aspirate and Trepine sections (not included in scope of accreditation)	Online / DVD - Virtual images on request	

## G6PD 2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
Glucose-6-phosphate dehydrogenase Screen Glucose-6-phosphate dehydrogenase Assay	G6PD Screen G6PD Assay	Lyophilised haemolysate	0.5mL

## Reticulocyte 2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Reticulocyte count	Retic count	Stabilised whole blood	1-1.5mL
<b>Module</b>	<b>Compatible Instrument/Method</b>		
<b>Module 1</b>	Manual Reticulocyte counting		
<b>Module 2</b>	Beckman Coulter (STKS, MAXM, HmX) Sysmex Corporation: XT2000i, XE2100, XE5000, XT4000i, XN10) Abbott (Cell Dyn 3200/Ruby, 3500, 3700, 4000/Sapphire Siemens ADVIA		
<b>Module 3</b>	Beckman Coulter (Gen.S, LH500, LH750, LH755 & UniCell DxH 800)		

## ESR 2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
Erythrocyte Sedimentation Rate	ESR	Stabilised whole blood	2-5mL
<b>Module</b>	<b>Compatible Instrument/Method</b>		
<b>Module 1</b>	All methods excluding StaRRsed users		
<b>Module 2</b>	StaRRsed users ONLY		

## Malarial Parasite – Virtual Microscopy 2 samples per survey / 2 surveys

Tests	Sample Type	Volume
Malarial Parasite identification of thin and thick blood films. Malarial Parasite Density Count Malarial Parasite Rapid Diagnostic Test <sup>NEW</sup> - (not included in scope of accreditation)	DVD - Virtual images DVD - Virtual images HRP-II in buffer	100µL

## Point-of-Care – INR

2 samples per survey / 6 surveys

Tests	Abbreviation	Sample Type	Volume
International Normalised Ratio	INR	Lyophilised plasma + H <sub>2</sub> O +CaCl <sub>2</sub>	0.5mL

## POC – Thromboelastometry NEW

2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
ROTEM instrument	Clotting test	Lyophilised plasma	1.0mL

(not included in scope of accreditation)

## Automated Differential

2 samples per survey / 4 surveys

Tests	Abbreviation	Sample Type	Volume
WBC Differential	WCC, Neut/Gran, Lymph, Mono, Eos, Baso	Stabilised whole blood	2.5mL
<b>Module</b>	<b>Compatible Instrument</b>		
<b>Module 1</b>	Sysmex Corporation: XT series, XEseries, XS series, XN series, Mindray BC 5000/6000 series		
<b>Module 2</b>	Abbott Laboratories: Cell-Dyn 3000, 3200/Ruby, 3500, 3700, 4000/Sapphire		
<b>Module 3</b>	Beckman Coulter: Act 5 Diff, ABX Pentra 60C+		
<b>Module 4</b>	Bayer Diagnostics: ADVIA 120/2120		
<b>Module 5</b>	Sysmex Corporation: K-1000, KX-21, K-4500, PochH100i <b><u>NO LONGER AVAILABLE AS A MODULE</u></b>		
<b>Module 6</b>	Abbott Laboratories: Cell-Dyn 1200,1300,1600,1700,1800 Beckman Coulter: Act/Act Diff, T series, JT series JS, JR, ST, Onyx, MD series ABX Diagnostics: Micros 60, MINOS, ABX Argos Nihon Kohden: Celltac, MEK series Bayer Diagnostics: ADVIA 60 Mindray BC-2000/3000 series ICON <b><u>NO LONGER AVAILABLE AS A MODULE</u></b>		
<b>Module 7</b>	Beckman Coulter: STKS, MaxM, HMX, LH 500/750/755/780, GENS, Unicell DxH800		
<b>Module 8</b>	Sysmex Corporation: SE9500, SE9000, SF3000 <b><u>NO LONGER AVAILABLE AS A MODULE</u></b>		

Note: If the instrument used is not listed in the above table, please contact the RCPAQAP Haematology office for selection of the correct module.



## Haematology Immunophenotyping

Module 1: 1 samples per survey / 4 surveys  
Module 2: 2 samples per survey / 2 surveys

Module	Assays	Sample Type	Volume
Module 1	Haematology Immunophenotyping – (AML, T and B cell ALL and LPD-Diagnostic Interpretation)	Stabilised PB/BM cells	1.5mL
Module 2	PNH Testing	Stabilised PB/BM cells	1.0mL

## CD34+

2 samples per survey / 3 surveys

Tests	Sample Type	Volume
WCC %CD34 Total CD34/uL	Stabilised whole blood	~0.6mL

## Specialised Haemostasis

Module A: 2 samples per survey / 3 surveys  
Others: 2 samples per survey / 2 surveys

Module	Assays	Sample Type	Volume
Module A	Lupus Anticoagulant	Lyophilised plasma	2mL
Module B	Protein C, Protein S, Antithrombin, APC resistance	Lyophilised plasma	1mL
Module C	von Willebrand Factor	Lyophilised plasma	0.5mL
Module D	FVIII Inhibitor	Lyophilised plasma	1mL
Module E	PFA-100 analysis	Tube with dried agonist	
Module F	Heparin Monitoring		
Option 1	Unfractionated Heparin	Lyophilised plasma	1mL
Option 2	Low Molecular Weight Heparin		

**Note:** Laboratories enrolling in the Heparin Monitoring module must enrol in both modules if monitoring unfractionated and low molecular weight heparin.

Module G	New Oral Anticoagulants		
Option 1	Dabigatran (Direct Inhibitor)	Lyophilised plasma	1mL
Option 2	Apixaban (Anti Xa)		
Option 3	Rivaroxaban (Anti Xa)		
Module H	Factor XIII	Lyophilised plasma	1mL

## Molecular Haematology (Formerly Molecular Diagnostics)

Module	Test	Frequency & Sample Number	Sample Type
<b>Module 1</b>	Factor V Leiden (F5 NM_000130.4: c.1601G>A (p.Arg534Gln)) (Formerly – p.Arg506Gln) MTHFR (MTHFR NM_005957.4: c.665C>T (p.Ala222Val)) (Formerly – p.Ala677Val) Prothrombin gene mutation (F2 NM_000506.3: c.*97G>A) (Formerly - G20210A)	8 samples / 1 survey	DNA
<b>Module 2</b>	Hereditary Haemochromatosis (HFE NM_000410.3: c.845G>A (p.Cys282Tyr)) (HFE NM_000410.3: c.187C>G (p.His63Asp)) (HFE NM_000410.3: c.193A>T (p.Ser65Cys))	8 samples / 1 survey	DNA
<b>Module 3</b>	BCR/ABL for CML BCR/ABL for ALL	3 samples / 1 survey	RNA
<b>Module 4</b>	T-cell receptor gene Immunoglobulin heavy chain gene	5 samples / 1 survey	DNA
<b>Module 5</b>	Chimerism	5 samples (incl. donor and recipient) / 1 survey	DNA
<b>Module 6</b>	Thalassemia beta Thalassemia alpha	4 samples / 1 survey	DNA
<b>Module 7</b>	JAK 2	8 samples / 1 survey	DNA
<b>Module 8</b>	PML/RAR $\alpha$	3 samples / 1 survey	RNA
<b>Module 9</b>	FLT-3 ITD*	3 samples / 1 survey	DNA
<b>Module 10</b>	NPM1 – Pilot*	3 samples / 1 survey	DNA

\* **Note:** Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation  
 The Molecular Haematology modules are coordinated by the Molecular Genetics Discipline.



# Immunology Discipline

Participating laboratories may select from a group of RCPAQAP Immunology program modules that comprehensively cover the assays performed in Clinical Immunology. For more detailed information please refer to our website <http://www.rcpaqap.com.au/immunology/> or Immunology Participant Handbook. Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

2016 Program Changes	
EN Program (Rheumatic Disease Serology)	Addition of IgA Cardiolipin and IgA $\beta$ 2GP1 antibody testing
MP Program (Vasculitis Serology)	Addition of numeric reporting of Glomerular Basement Membrane antibody results

## Specific Proteins

2 samples per survey / 12 surveys

Test	Abbreviation	Sample Type	Volume
Immunoglobulin G	IgG	Serum	900 $\mu$ L
Immunoglobulin A	IgA		
Immunoglobulin M	IgM		
Complement component 3	C <sub>3</sub>		
Complement component 4	C <sub>4</sub>		
$\alpha$ -1-antitrypsin	A1AT, AAT		
C1 esterase inhibitor	C1-inh		
Haptoglobin	Hp		
Caeruloplasmin	Caeruloplasmin		
Prealbumin	Transthyretin		

## Rheumatoid Factor

2 samples per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Rheumatoid Factor	RF	Serum	500 $\mu$ L

## CCP

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Cyclic citrullinated peptide antibody	CCP	Serum	500 $\mu$ L

## C Reactive Protein

2 samples per survey / 12 surveys

Test	Abbreviation	Sample Type	Volume
C-reactive Protein	CRP	Serum	500µL
High-sensitivity C-reactive protein	hsCRP		

## Paraprotein

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Paraprotein identification and concentration serum	Serum	500µL
Paraprotein identification and concentration urine	Urine	9mL
Serum free light chains	Serum	500µL

## IgG Subclasses

1 sample per survey / 8 surveys

Test	Sample Type	Volume
IgG1 IgG2 IgG3 IgG4 Calculated subclass sum and IgG level obtained by total IgG assay	Serum	500µL

## Anti-Nuclear Antibodies

2 samples per survey / 12 surveys

Test	Abbreviation	Sample Type	Volume
Anti-Nuclear Antibodies pattern	ANA pattern	Serum	500µL
Anti-Nuclear Antibodies titre	ANA titre		

## Rheumatic Disease Serology

1 sample each for ENA, DNA, phospholipid Abs per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Extractable Nuclear Antigen	ENA	Serum	500µL
Anti-double stranded DNA	dsDNA antibodies		
Nucleosome antibodies	AnuA		
Cardiolipin IgG, IgA and IgM antibodies	Antiphospholipid Abs		
β2GP1 IgG and IgA antibodies	Anti β2 Glycoprotein 1 Ab		

## Vasculitis Serology

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Antineutrophil Cytoplasmic Antibodies	ANCA	Serum	500µL
Myeloperoxidase Antibodies	MPO-ANCA		
Proteinase 3 Antibodies	PR3-ANCA		
Anti-glomerular basement membrane	GBM		





## Coeliac Serology

1 sample per survey / 8 surveys  
Skin antibodies: 4 samples per survey / 1 survey

Test	Abbreviation	Sample Type	Volume
Deamidated Gliadin IgG and IgA Tissue transglutaminase IgG and IgA Endomysial antibodies	tTG EMA	Serum	500µL
Skin antibodies (intercellular substance, basement membrane)	ICS, BMZ		

## Tissue Antibodies

1 sample per survey\* / 8 surveys

Test	Abbreviation	Sample Type	Volume		
Gastric Parietal Cell antibodies Smooth Muscle antibodies F-Actin antibodies Mitochondrial antibodies Liver/Kidney Microsome antibodies Intrinsic Factor antibodies	APC SMA F-actin AMA LKM IF	Serum	500µL		
Thyroglobulin antibodies Thyroid microsome antibodies Thyroid receptor antibodies	TgAb TPO TRAb			Serum	500µL

**Note\*:** There are 2 specimen sets for Tissue Antibodies. Thyroid antibodies is a separate sample.

## Type I Diabetes Antibodies

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Islet cell antibodies Glutamic Acid Decarboxylase antibodies Insulinoma-associated-2 autoantibodies	ICA GAD IA2 antibodies	Serum	500µL

## Myasthenia Gravis Antibodies

1 sample per survey / 4 surveys

Test	Abbreviation	Sample Type	Volume
Acetylcholine Receptor Antibodies	Myasthenia Gravis Ab; AChR	Serum	250µL

## Myositis Specific & Scleroderma Antibodies

1 sample per survey / 4 surveys

Test	Abbreviation	Sample Type	Volume
Myositis and scleroderma antibodies	Mi-2, Ku, RNA Pol III, others as appropriate	Serum	400µL

## IgE (Total)

2 samples per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Immunoglobulin E	IgE	Serum	500µL

## Tryptase

1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Tryptase	Mast Cell Tryptase	Serum	500µL

## Bee Venom IgE

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Specific IgE to Bee Venom ( <i>Apis mellifera</i> )	Serum	500µL

## Food Allergy

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Specific IgE to: Prawn Peanut Cashew Cow's Milk Egg Sesame Seed Soy Wheat Grain	Serum	500µL

## Inhalant Allergens

1 sample per survey / 8 surveys

Test	Sample Type	Volume
Cat epithelium/dander Rye grass pollen Bermuda grass House dust mite ( <i>Dermatophagoides pteronyssinus</i> ) Latex <i>Aspergillus fumigatus</i> <i>Alternaria alternata/tenuis</i> Grass Pollen mix Animal Epithelium mix Mould mix House Dust Mite mix	Serum	1mL

## Fungal & Avian Antibodies

1 sample per survey / 4 surveys

Test	Sample Type	Volume
IgG antibodies to <i>Aspergillus fumigatus</i> IgG antibodies to Budgie IgG antibodies to Pigeon	Serum	500µL



## HLA B27 Status

2 samples per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Human Leukocyte Antigen B27	HLA B27	Lithium Heparin Whole blood diluted with media	1.8mL

The material assayed in the HLA B27 program is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 3-4 days of dispatch. For reasons beyond our control, it may take longer than this to deliver samples to some centers outside Australia and New Zealand and in these cases we are unable to guarantee the quality of the material received or provide replacements. Please consider carefully before ordering this program and contact us if you wish to discuss your individual situation.

## Immunophenotyping – Immunodeficiency

2 samples per survey / 8 surveys

Test	Sample Type	Volume
Lymphocytes of the following phenotypes (percentages): CD <sup>3+</sup> , CD <sup>3+</sup> CD <sup>4+</sup> , CD <sup>3+</sup> CD <sup>8+</sup> , CD <sup>19+</sup> , CD <sup>3-</sup> CD <sup>16+</sup> , CD <sup>3-</sup> CD <sup>56+</sup> , CD <sup>3-</sup> CD <sup>16+</sup> CD <sup>56+</sup> , Alpha-Beta	Lithium Heparin whole blood diluted with media	1.8mL
Lymphocytes of the following phenotypes (absolute numbers); CD <sup>3+</sup> , CD <sup>3+</sup> CD <sup>4+</sup> , CD <sup>3+</sup> CD <sup>8+</sup> , CD <sup>19+</sup>		

The material assayed in the Immunophenotyping program is fresh whole blood, which quickly deteriorates under normal transport conditions and should be tested within 3-4 days of despatch. For reasons beyond our control, it may take longer than this to deliver samples to some centers outside Australia and New Zealand and in these cases we are unable to guarantee the quality of the material received or provide replacements. Please consider carefully before ordering this program and contact us if you wish to discuss your individual situation.

## HLA B\*57 (in conjunction with APHIA)

5 samples per survey / 3 surveys

Test	Abbreviation	Sample Type	Volume
Human Leukocyte Antigen B*57	HLA B*57	DNA	

## Case Study Program

This program offers Immunology clinical case studies. This is a paperwork only program and no samples are provided. Five clinical cases are provided per year.

## Serum Exchange Program

The Serum Exchange Program is designed to provide EQA for rare disorder analytes with low participant numbers. Programs and analytes covered will be reliant on laboratories to source and donate suitable samples. Participants will be emailed to register interest in the program. At least two laboratories will be required for each Serum Exchange Program.

The reports will present data in a simple spreadsheet format with no targets established.

Laboratories that source suitable samples should contact the RCPAQAP at [immunology@rcpaqap.com.au](mailto:immunology@rcpaqap.com.au).

## Sample Volumes

**Note:** although every effort is made to provide the sample volumes listed above, it may be necessary on occasion to reduce the volume provided, as most samples are patient derived and supply can be limited.

# Key Incident Monitoring & Management Systems (KIMMS)

The Key Incident Monitoring & Management Systems (KIMMS) project was initiated by the Royal College of Pathologists of Australasia (RCPA). KIMMS aims to monitor the pre- and post-analytical phase of the laboratory quality system and is designed to provide pathology practices with the tools for continuous measurement and monitoring of key incident quality indicators. Please consult the RCPAQAP website for more detailed information on this program.

<http://www.rcpaqap.com.au/kimms/>

Prices for participation are listed in the RCPAQAP myQAP online customer portal.

## KIMMS

4 surveys/year

Quality Indicators	Sample Type
<b>Category</b> Pre-Analytical – Identification Incidents Pre-Analytical – Identifications Incidents Accepted/Rejected Pre- Analytical - Collection and Transport Incidents Pre-Analytical – Laboratory Incidents Post-Analytical	NA

## Data collection

Pathology practices are requested to collect data and return to RCPAQAP KIMMS within specified dates. Identification and evaluation of incidents will provide valuable data to each practice to enable measurement, monitoring and improvement of these incidents and ultimately improve patient safety.



# Microbiology Discipline

The RCPAQAP Microbiology discipline has been developed and evolved under the guidance of the RCPAQAP Microbiology Advisory Committee. For detailed information on Microbiology programs please consult the Microbiology participant handbook in myQAP ([www.myqap.com.au](http://www.myqap.com.au)) or the RCPAQAP microbiology website for more details.

<http://www.rcpaqap.com.au/microbiology>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

2016 Program Changes	
<i>Streptococcus pneumoniae</i> Urinary antigen	Pilot study to be offered in 2016
Gastrointestinal Pathogens – pilot	Pilot study to be offered in 2016

## Bacteriology Extensive

7-8 samples per survey / 8 surveys

Difficult/Blood Culture/Sterile sites: 1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Urine	U	Lyophilised sample	1 or 5mL
Skin/Ear/Eye/Throat/Nose	S	Lyophilised sample	1mL
Faecal	F		
Respiratory	R		
Genital Swabs/Anaerobes	G		
Mycobacteriology	M	Lyophilised sample and smears	1mL
Difficult/Blood Culture/Sterile sites	D	Lyophilised sample	1mL

## Bacteriology Limited

2 samples per survey / 4 surveys

Difficult/Blood Culture/Sterile sites: 1 sample per survey / 8 surveys

Test	Abbreviation	Sample Type	Volume
Urine	U	Lyophilised sample	1 or 5mL
Skin/Ear/Eye/Throat/Nose	S	Lyophilised sample	1mL
Faecal	F		
Respiratory	R		
Genital Swabs/Anaerobes	G		
Mycobacteriology	M	Lyophilised sample and smears	1mL
Difficult/Blood Culture/Sterile sites	D	Lyophilised sample	1mL

## Mycology

3 samples per survey / 4 surveys

Test	Sample Type	Volume
Dermatophytes, systemic mycotic pathogens, clinically significant yeast and contaminants of interest.	Lyophilised sample	1mL

## Parasitology

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Protozoa, helminths and samples containing faecal artefacts.	Fixed smears /faecal suspensions	1mL

## Urine Dipstick Chemistry

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Leukocyte esterase blood glucose protein nitrite	Lyophilised sample	1mL

## Stat Microscopy

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Includes urine cell counts and Gram stains of samples.	Lyophilised samples and smears	1 or 5mL

## Bacterial Serotyping

6 samples per survey / 4 surveys

Test	Sample Type	Volume
Serotyping of <i>Streptococcus pneumoniae</i> , <i>Haemophilus</i> species, <i>Neisseria meningitidis</i>	Lyophilised sample	1mL

## Point-of-Care

6 samples per survey / 1 survey

Test	Sample Type	Volume
<i>Streptococcus pneumoniae</i> Urinary antigen - pilot	Lyophilised sample	1mL



## Molecular Infectious Diseases

6 samples per survey / 2 surveys

Test - Nucleic acid amplification testing (NAT)	Sample Type	Volume
<i>Bordetella pertussis</i>	Lyophilised sample	1mL
<i>Chlamydia trachomatis</i> * and <i>Neisseria gonorrhoeae</i>	Lyophilised sample	1mL or 5mL
Cytomegalovirus	Lyophilised sample	1mL
Enterovirus	Lyophilised sample	1mL
Gastrointestinal Pathogens – pilot	To be determined	TBA
<i>Herpes simplex virus 1 and 2</i>	Lyophilised sample	1mL
MRSA <i>mecA/nuc</i> genes	Lyophilised sample	1mL
<i>Mycobacterium tuberculosis</i> and <i>Mycobacterium avium</i> complex	Lyophilised sample	1mL
<i>Neisseria meningitidis</i>	Lyophilised sample	1mL
<i>Varicella zoster virus</i>	Lyophilised sample	1mL

\* **Note:** The *Chlamydia trachomatis* samples are not suitable for immunofluorescence or EIA assays.

## Vancomycin-Resistant Enterococci (VRE)

4 samples per survey / 2 surveys

Test	Sample Type	Volume
VRE screening, phenotypic testing, antibiotic susceptibility testing and/or molecular testing.	Lyophilised sample	1mL

## Clostridium difficile Laboratory Diagnosis

4 samples per survey / 2 surveys

Test	Sample Type	Volume
Detection of <i>Clostridium difficile</i> antigen and toxin.	Lyophilised sample	2mL

## Microbiological Surveillance Culture

8 samples per survey / 2 surveys

Test	Sample Type	Volume
Microbiological Surveillance Culture for endoscopes and bronchoscopes	Lyophilised sample	1mL

## **Paperwork Only Program**

This module is designed for manufacturers and sponsors (distributors) of kits. Participants enrolled in the 'Paperwork Only' **do not** receive samples.

## Molecular Genetics Discipline

The RCPAQAP Molecular Genetics (in association with the Human Genetics Society of Australasia) provides a range of quality assurance modules for an array of inherited disorders, somatic cancers and molecular genetics techniques.

There is a comprehensive panel of modules on offer from the European Molecular Genetics Quality Network (EMQN), Cystic Fibrosis European Network (CF Network) and the RCPAQAP Molecular Genetics, which incorporates Molecular Haematology Modules and Sample Exchanges.

For further information on the EMQN and CF Network quality assurance programs on offer, please visit their websites:

<http://www.emqn.org/emqn/Home> and <http://cf.egascheme.org/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

## Provider – RCPAQAP Molecular Genetics

### RCPAQAP Disease Program

Test	Frequency / Sample Number	Sample Type
FMR1-Related Disorders*	5 samples / 1 survey	Purified genomic DNA
Mitochondrial Myopathy	5 samples / 1 survey	Purified genomic DNA

\* *Note: Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation*

### RCPAQAP Technical Program

Test	Frequency	Sample Type
Maternal Cell Contamination	3 family trios / 1 survey	Purified genomic DNA
Massively Parallel Sequencing (NGS) – Pilot*	1 sample / 1 survey	Purified genomic DNA
Sanger DNA sequencing	2 samples (4 sequencing reactions)/ 1 survey	PCR products

\* *Note: Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation*

### RCPAQAP Oncology Program

Test	Frequency	Sample Type
ALK translocation in NSCLC – Pilot*	3 samples / 1 survey	FFPE Tissue
Mutation Detection in Melanoma	5 samples / 1 survey	FFPE Tissue (patient-derived tissue & synthetic samples)
Mutation Detection in Lung Cancer (NSCLC)	5 samples / 1 survey	FFPE Tissue (patient-derived tissue & synthetic samples)
Mutation Detection in Colorectal Cancer	5 samples / 1 survey	FFPE Tissue (patient-derived tissue & synthetic samples)

\* *Note: Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation*





## RCPAQAP Sample Exchange Program

Test	Frequency	Sample Type
IDH1/IDH2 Sequencing*	5 samples / 1 survey	FFPE tissue
MGMT hypermethylation*	5 samples / 1 survey	FFPE tissue
PTEN*	5 samples / 1 survey	DNA

\* *Note: Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation*

## RCPAQAP Supplementary Reports for EMQN modules

(Australian and New Zealand Participants)

Test	Material
CF Network: Cystic Fibrosis	Supplementary report
EMQN: Fragile X syndrome	Supplementary report
EMQN: Lynch Syndrome	Supplementary report
EMQN: Prader-Willi & Angelman Syndromes	Supplementary report
EMQN: Spinal Muscular Atrophy	Supplementary report
EMQN: Spinocerebellar Ataxia	Supplementary report

## RCPAQAP Molecular Haematology (Formerly Molecular Diagnostics)

Module	Test	Frequency / Sample Number	Sample
<b>Module 1</b>	Factor V Leiden (F5 NM_000130.4: c.1601G>A (p.Arg534Gln)) (Formerly – p.Arg506Gln) MTHFR (MTHFR NM_005957.4: c.665C>T (p.Ala222Val)) (Formerly – p.Ala677Val) Prothrombin gene mutation (F2 NM_000506.3: c.*97G>A) (Formerly - G20210A)	8 samples / 1 survey	DNA
<b>Module 2</b>	Hereditary Haemochromatosis (HFE NM_000410.3: c.845G>A (p.Cys282Tyr)) (HFE NM_000410.3: c.187C>G (p.His63Asp)) (HFE NM_000410.3: c.193A>T (p.Ser65Cys))	8 samples / 1 survey	DNA
<b>Module 3</b>	BCR/ABL for CML BCR/ABL for ALL	3 samples / 1 survey	RNA
<b>Module 4</b>	T-cell receptor gene Immunoglobulin heavy chain gene	5 samples / 1 survey	DNA
<b>Module 5</b>	Chimerism	5 samples (incl. donor and recipient) / 1 survey	DNA
<b>Module 6</b>	Thalassemia beta Thalassemia alpha	4 samples / 1 survey	DNA
<b>Module 7</b>	JAK 2	8 samples / 1 survey	DNA
<b>Module 8</b>	PML/RAR $\alpha$	3 samples / 1 survey	RNA
<b>Module 9</b>	FLT-3 ITD*	3 samples / 1 survey	DNA
<b>Module 10</b>	NPM1 – Pilot*	3 samples / 1 survey	DNA

\* *Note: Currently not covered under the RCPAQAP Molecular Genetics scope of accreditation*

## **Provider – Cystic Fibrosis European Network (CF Network)**

Test	Frequency	Sample Type
Cystic Fibrosis	3 samples / 1 survey	Purified DNA

## **Provider – EMQN European Molecular Genetics Quality Network**

### **Disease-Specific Program**

Test	Frequency	Sample Type
Autosomal Dominant Polycystic Kidney disease - Pilot	3 samples / 1 survey	Lyophilised DNA
Chr.11p Imprinting Disorders (BWS/SRS) (pilot)	3 samples / 1 survey	Lyophilised DNA
Breast / Ovarian Cancer, familial (Full version)	3 samples / 1 survey	Lyophilised DNA
Breast / Ovarian Cancer, familial (Genotyping-only version)	3 samples / 1 survey	Lyophilised DNA
Charcot Marie Tooth Disease	3 samples / 1 survey	Lyophilised DNA
Congenital Adrenal Hypoplasia	3 samples / 1 survey	Lyophilised DNA
Duchenne & Becker Muscular Dystrophy	3 samples / 1 survey	Lyophilised DNA
Familial Adenomatous Polyposis Colon Cancer	3 samples / 1 survey	Lyophilised DNA
Familial autosomal dominant hypercholesterolemia	3 samples / 1 survey	Lyophilised DNA
Familial SHOX-related disorders	3 samples / 1 survey	Lyophilised DNA
Fragile X syndrome – Full version	3 samples / 1 survey	DNA in TE
Fragile X syndrome – Pre-screening only version	3 samples / 1 survey	Lyophilised DNA
Friedreich Ataxia	3 samples / 1 survey	Lyophilised DNA
Hereditary Deafness – GJB2/GJB6	3 samples / 1 survey	Lyophilised DNA
Hereditary Haemochromatosis	3 samples / 1 survey	Lyophilised DNA
Hereditary Recurrent fevers	4 samples / 1 survey	Lyophilised DNA
Huntington Disease	3 samples / 1 survey	Lyophilised DNA
Lynch Syndrome	3 samples / 1 survey	Lyophilised DNA
Monogenic Diabetes	3 samples / 1 survey	Lyophilised DNA
Multiple Endocrine Neoplasia Type 2	3 samples / 1 survey	Lyophilised DNA
Myotonic Dystrophy	3 samples / 1 survey	Lyophilised DNA
Osteogenesis imperfecta	3 samples / 1 survey	Lyophilised and/or wet DNA (in TE)
Phenylketonuria	3 samples / 1 survey	Lyophilised DNA
Porphyria	3 samples / 1 survey	Lyophilised DNA
Prader-Willi & Angelman Syndromes	3 samples / 1 survey	Lyophilised DNA
Retinoblastoma	3 samples / 1 survey	Lyophilised DNA
Spinal Muscular Atrophy	3 samples / 1 survey	Lyophilised DNA
Spinocerebellar Ataxia	3 samples / 1 survey	Lyophilised DNA
Von Hippel Lindau Syndrome	3 samples / 1 survey	Lyophilised DNA
Wilson disease	3 samples / 1 survey	Lyophilised DNA
Y-chromosome Microdeletions	3 samples / 1 survey	Lyophilised DNA



## Molecular Pathology Program

Test	Frequency	Sample Type
Molecular testing in Lung Cancer (NSCLC)	10 samples / 1 survey	Mix of real tissue and artificial paraffin embedded materials
Molecular testing for Melanoma		
Molecular testing in sporadic colorectal cancer		
Oncogene panel testing (ONCOPANEL-16)	3 samples / 1 survey	Rolled sections of paraffin embedded materials

## Technique-Specific Program

Test	Frequency	Sample Type
Constitutional Microarray Analysis (Microarrays /aCGH)	2 samples / 1 survey	Genomic DNA
DNA Sequencing – NextGen (vGermline)	1 wet, 1 dry / 1 survey	Genomic DNA from cell lines
DNA Sequencing – NextGen (vSomatic)	1 wet sample / 1 survey	Rolled section of paraffin embedded material
DNA Sequencing - Sanger - Data Quality Assessment only version)	1 survey	Wet DNA in TE
DNA Sequencing - Sanger - Full version	1 survey	Wet DNA in TE
Non-invasive prenatal diagnosis using cell free fetal DNA for sex determination (pilot) (cffDNA-16)	3 samples / 1 survey	Plasma samples

Note: A mandatory administration fee is charged by the EMQN. The EMQN has increased the price of their modules for 2016. In addition, administration and processing fees will be incurred for additional samples provided.

# Point-of-care Testing

The RCPAQAP recognises that PoCT is increasingly being used and that it is essential that the quality of the results generated by a PoCT device is of sufficient quality for patient care. International standards and guidelines recommend that where available, participation in an external quality assurance scheme is recommended for each test.

Please refer to the discipline -specific sections in this Catalogue or the discipline-specific Participant Handbooks for more information on these PoCT modules.

Alternatively please visit our website: <http://www.rcpaqap.com.au/poct/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

## Chemical Pathology

PoCT Troponin  
 PoCT Blood Gases  
 Urine Pregnancy  
 On-Site Urine Toxicology Screening Program

## Serology

PoCT HIV	Hepatitis A (IgG/IgM)
PoCT Influenza A and B	Hepatitis B surface Antigen (HBsAg)
PoCT RSV Ag	Hepatitis C Antibodies (HCV Ab)
Alphavirus (Chikungunya)	Hepatitis E IgM (HEV IgM)
Brucella	Hydatid
<i>Chlamydia trachomatis</i>	Infectious Mononucleosis
Cryptococcal Antigen	Legionella Urinary Antigen
Flavivirus (Dengue)	Leptospira IgM
<i>Helicobacter pylori</i>	Syphilis

## Haematology

PoCT INR  
 PoCT Thromboelastometry/Thromboelastography

## Microbiology

Urine Dipstick Chemistry

## Transfusion

Snake Venom Detection



## Point-of-Care Testing Blood Gases

2 samples per survey / 12 surveys

Test					Sample Type	Volume
pH	Sodium	Glucose	Ionised Calcium		Aqueous Bovine Albumin Buffered Matrix	2.5mL
pCO <sub>2</sub>	Potassium	Haemoglobin	Haematocrit			
pO <sub>2</sub>	Chloride	Lactate	Creatinine			
TCO <sub>2</sub>	Urea					

**Note:** Suitable for devices such as the Abbott i-STAT and Alere epoc devices.

## Point-of-Care Testing Troponin

2 samples per survey / 12 surveys

Test			Sample Type	Volume
Troponin I	Troponin T (semi-quantitative)		Lyophilised Plasma	1mL

**Note:** Suitable for devices such as Abbott i-STAT and Roche cobas h232

## On-Site Urine Toxicology Screening

1 sample per survey / 12 surveys

Test			Sample Type	Volume
Amphetamine	Cocaine metabolites		Lyophilised Urine	10mL
Methamphetamine	Cannabis metabolites			
Benzodiazepines	Opiates			

## Urine Pregnancy

2 samples per survey / 6 surveys

Test	Sample Type	Volume
hCG (Qualitative)	Lyophilised Urine	10mL

## Point-of-Care – INR

2 samples per survey / 6 surveys

Tests	Abbreviation	Sample Type	Volume
International Normalised Ratio	INR	Lyophilised plasma + H <sub>2</sub> O + CaCl <sub>2</sub>	0.5mL

## POC- Thrombo-elastometry <sup>NEW</sup>

2 samples per survey / 2 surveys

Tests	Abbreviation	Sample Type	Volume
ROTEM instrument	Clotting test	Lyophilised plasma	1.0mL

(Not included in scope of accreditation)

## Urine Dipstick Chemistry

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Leukocyte esterase blood glucose protein nitrite	Lyophilised sample	1mL

## Point-of-Care

6 samples per survey / 1 survey

Test	Sample Type	Volume
<i>Streptococcus pneumoniae</i> Urinary antigen - pilot	Lyophilised sample	1mL

## Antenatal

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Syphilis serology	Serum/Plasma	500µL

## Bacterial

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Brucella serology	Serum/Plasma	500µL
<i>Chlamydia trachomatis</i> Antigen EIA	Culture	250µL
<i>Helicobacter pylori</i> serology	Serum/Plasma	350µL
Legionella Urinary Antigen	Urine	1000µL

## Hepatitis

Hepatitis A, B, C: 2 samples per survey / 6 surveys

Hepatitis D, E: 2 samples per survey / 1 survey

Test	Sample Type	Volume
Hepatitis A serology	Serum/Plasma	500µL
Hepatitis B serology	Serum/Plasma	1500µL
Hepatitis C serology	Serum/Plasma	500µL
Hepatitis E serology	Serum/Plasma	300µL

## Infectious Mononucleosis

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Infectious Mononucleosis	Serum/Plasma	200µL

## Parasite & Spirochaete

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Cryptococcal Antigen	Serum or culture supernatant	500µL
Hydatid serology	Serum/Plasma	250µL
Leptospiral serology	Serum	500µL



## Point-of-Care

2 samples per survey / 4 surveys

Test	Sample Type	Volume
HIV PoCT ONLY	Stabilised Whole blood	400µL
Influenza A & B Antigen PoCT ONLY	Inactivated viral culture lysate	500µL
RSV Antigen PoCT ONLY	Inactivated viral culture lysate	500µL

## Viral

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Alphavirus serology	Serum/Plasma	400µL
Flavivirus serology	Serum/Plasma	400µL

## Snake Venom Detection- (SV Program)

1 sample per survey / 1 survey

Module	Sample Type	Volume
Snake Venom Detection	Swab	

## Serology Discipline

Key features of the program include;

- One sample dispatch per year with the exception of HIV Point-of-Care
- All methodologies accepted;
- Comprehensive assessment of over 50 analytes;
- Detection of antibodies, antigens, DNA & RNA;
- Direct data entry via website;
- Generic reports reviewed by experts in the field;
- Individualised Survey Reports available within one week of the survey due date, showing year-to-year cumulative scores and graphical analysis of results;
- Trend analysis with a minimum of 2 surveys/year (for most analytes);
- Participants are able to request archived survey material, including relevant reports for validation studies. This will incur a postage and handling fee.

<http://www.rcpaqap.com.au/serology/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

## Sample Volumes

Please note: although every effort is made to provide the sample volumes listed below, it may be necessary on occasion to reduce the volume provided, as most samples are patient derived and supply can be limited.

<b>2016 Program Changes</b>	
<i>Chlamydia pneumoniae</i> Serology	Replaced with Chlamydia genus Serology in Bacterial Program
Lyme Disease Serology	New module in Parasite and Spirochaete Program
Respiratory Pathogens	New module in Molecular Infectious Diseases Program
Gastrointestinal Pathogens	Pilot study to be offered in 2016





## Antenatal

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Rubella serology	Serum/Plasma	700µL
Syphilis serology	Serum/Plasma	500µL

## Bacterial

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Brucella serology	Serum/Plasma	500µL
Chlamydia genus serology	Serum/Plasma	300µL
<i>Chlamydia trachomatis</i> Antigen EIA	Culture	250µL
<i>Chlamydia trachomatis</i> Antigen IFA	Slide	
<i>Helicobacter pylori</i> serology	Serum/Plasma	350µL
Legionella serology	Serum	300µL
Legionella Urinary Antigen	Urine	1000µL
Mycoplasma serology	Serum/Plasma	500µL
QuantiFERON® -TB Gold (detection only)	Lyophilised Serum/Plasma	
Rickettsial serology	Serum/Plasma	300µL
Streptococcal serology	Serum/Plasma	500µL

## Hepatitis

Hepatitis A, B, C: 2 samples per survey / 6 surveys

Hepatitis D, E: 2 samples per survey / 1 survey

Test	Sample Type	Volume
Hepatitis A serology	Serum/Plasma	500µL
Hepatitis B serology	Serum/Plasma	1500µL
Hepatitis C serology	Serum/Plasma	500µL
Hepatitis D serology	Serum/Plasma	500µL
Hepatitis E serology	Serum/Plasma	300µL

## Infectious Mononucleosis

2 samples per survey / 6 surveys

Test	Sample Type	Volume
Infectious Mononucleosis	Serum/Plasma	200µL

## Lymphadenopathy

2 samples per survey / 4 surveys

Test	Sample Type	Volume
Cytomegalovirus serology	Serum/Plasma	600µL
Epstein Barr Virus serology	Serum/Plasma	600µL
Toxoplasma serology	Serum/Plasma	600µL

## Molecular Infectious Diseases

6 samples per survey / 2 surveys  
 Influenza: 6 samples per survey / 3 surveys

Test	Sample Type	Volume
Alphavirus & Flavivirus NAT	Inactivated viral culture lysate*	250µL
Gastrointestinal Pathogens – pilot	To be determined	TBA
Hepatitis B DNA (Qualitative/ Quantitative)	Plasma*	1200µL
Hepatitis C RNA (Qualitative/ Quantitative)	Plasma*	1200µL
Hepatitis C Genotyping	Plasma*	1200µL
HIV-1 RNA (Quantitative)	Plasma*	1200µL
Human Papillomavirus DNA	PreservCyt® Solution. (4000µL hc2/Cervista)	2000µL
Influenza	Inactivated viral culture lysate	500µL
Respiratory Pathogens	Inactivated culture lysate	500µL

\*Sent on dry ice

## Parasite & Spirochaete

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Cryptococcal Antigen	Serum or culture supernatant	500µL
Entamoeba serology	Serum/Plasma	500µL
Hydatid serology	Serum/Plasma	250µL
Leptospiral serology	Serum	500µL
Lyme Disease serology	Serum/Plasma	500µL
Schistosomiasis serology	Serum/Plasma	250µL

## Point-of-Care

2 samples per survey / 4 surveys

Test	Sample Type	Volume
HIV PoCT ONLY	Stabilised Whole blood	400µL
Influenza A & B Antigen PoCT ONLY	Inactivated viral culture lysate	500µL
RSV Antigen PoCT ONLY	Inactivated viral culture lysate	500µL

## Retroviral

2 samples per survey / 6 surveys

Test	Sample Type	Volume
HIV serology (comprehensive)	Serum/Plasma	1000µL
HTLV serology	Serum/Plasma	400µL



## Vaccine Preventable

2 samples per survey / 2 surveys

Test	Sample Type	Volume
<i>Bordetella pertussis</i> serology	Serum/Plasma	250µL
Influenza A & B Antibody serology	Serum/Plasma	500µL
Measles serology	Serum/Plasma	250µL
Mumps serology	Serum/Plasma	250µL
Q fever serology	Serum/Plasma	400µL
<i>Varicella zoster</i> serology	Serum/Plasma	350µL

## Viral

2 samples per survey / 2 surveys

Test	Sample Type	Volume
Alphavirus serology	Serum/Plasma	400µL
Flavivirus serology	Serum/Plasma	400µL
<i>Herpes simplex</i> serology	Serum/Plasma	500µL
Parvovirus serology	Serum/Plasma	250µL

## **Specimen-Free Program**

In 2016, three surveys each consisting of two case studies or scenarios will be issued to participants enrolled in the Specimen-free module. This module is not 'scored' and is designed as an educational tool for staff, presenting case studies and scenarios that may be encountered in serological and molecular testing laboratories. Although not scored, report reviewers are encouraged to grade participant responses to the questions posed in the case-study or scenario as satisfactory or unsatisfactory.

## **Paperwork Only Program**

Participants enrolled in the Paperwork-Only module do not receive samples, they receive access to the Generic Report library and are able to access and download these reports as required. This module is designed for manufacturers and sponsors (distributors) of kits.

## Synovial Fluid Discipline

The RCPAQAP Synovial Fluid assesses the ability of laboratories to detect the key disease-related crystals (monosodium urate monohydrate, calcium pyrophosphate dihydrate) and to differentiate those from other crystalline structures such as corticosteroid, cholesterol and cartilage that may be found in synovial fluid. For detailed information please consult our website.

<http://www.rcpaqap.com.au/synovial/>

Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

<b>2016 Program Changes</b>	
<i>Synovial Fluid Educational Component</i>	DVD only

### Synovial Fluid

3 samples per survey / 2 surveys

Test	Sample Type	Volume
Monosodium Urate Monohydrate (Urate) Crystals Calcium Pyrophosphate Dihydrate (CPPD) Crystals Cholesterol Crystals Synthetic Corticosteroid Crystals Non-crystalline inclusions (cartilage, fibrin, rice bodies) Artefacts (starch, talc)	Synovial fluid	25µL

Two surveys, each containing 3 capillary tips per survey are dispatched annually.

### Educational Component

Participants also receive a DVD of three to five microscopic examinations of synovial fluid to report. A second DVD with the same images, but with a commentary, is sent after the results have been received.



# Transfusion Discipline

The General Transfusion program covers all routine tests performed in a pre-transfusion testing laboratory including clinical decision making on given scenarios. The Individual Assessment program is designed to assist laboratory supervisors maintain and assess individual staff competencies while also enabling individual staff to meet EQA participation requirements as stipulated by the guidelines. The Foetal Maternal Haemorrhage Estimation program is for assessing laboratories on methods used in estimating foetal red cells in maternal samples.

All programs are specifically arranged so laboratories of all sizes may participate. For more information on these please consult the Transfusion Discipline handbook or the RCPAQAP Transfusion website for more details. <http://www.rcpaqap.com.au/transfusion/> Prices for participation are listed in the RCPAQAP myQAP online enrolment customer portal.

## General Transfusion – (GT Program)

*Module AG: Varied samples per survey / 6 surveys*

*Module AB: Varied samples per survey / 6 surveys*

*Module AP: 1 sample per survey / 4 surveys*

*Module AA: 1 sample per survey / 4 surveys*

Module	Sample Type	Volume
<b>General Compatibility (AG Module)</b> – Tests include blood grouping, antibody screen and identification, crossmatch/ compatibility testing, phenotyping, DAT, and elution studies.	EDTA whole blood Red cells	4mL 2mL
<b>Basic Compatibility Module (AB module)</b> - Includes all tests in the AG module except antibody identification, phenotyping and elution studies.	EDTA whole blood Red cells	4mL 2mL
<b>Phenotyping Module (AP module)</b> - Extended Red Cell Antigen Phenotyping	Red cells	4mL
<b>Antibody Titre Module (AA module)</b> - Anti-D Titre	Plasma	2mL

## Blood Grouping & Antibody Screen – (B Program)

*2 samples per survey / 6 surveys*

Module	Sample Type	Volume
Blood grouping (Antibody Screen/Identification – Optional)	EDTA Whole blood	4mL

### Individual Assessment Program - (I Program)

2 samples per survey / 6 surveys

Module	Sample Type	Volume
Individual Assessment Program (up to 3 participants results can be submitted per survey)	EDTA Whole blood	6mL

### Foetal Maternal Haemorrhage Estimation - (F Program)

2 samples per survey / 4 surveys

Module	Sample Type	Volume
Foetal Maternal Haemorrhage Estimation	EDTA Whole blood	2mL

### Snake Venom Detection- (SV Program)

1 sample per survey / 1 survey

Module	Sample Type	Volume
Snake Venom Detection	Swab	

The following program is only available to participants outside Australia.

### Transfusion Competency Program- (TC Program)

Blood Grouping, Phenotyping: 3 samples per survey / 6 surveys  
 DAT, Antibody Screen, Antibody Identification: 1 sample per survey / 6 surveys  
 Crossmatching/Compatibility Testing: 2 samples per survey / 6 surveys

Module includes	Sample Type	Volume
Blood Grouping Weak D testing DAT Antibody Screen Antibody identification Phenotyping (Rh/ K antigens only)	EDTA Whole blood	4mL
Crossmatching / Compatibility Testing	2 red cell donor units	4mL



# Training and Competency Assessment (TACA)

The Training and Competency Assessment Project was successfully piloted in 2012 and further modules have been developed since then.

The online modules are intended to support laboratory technical training and provide a resource for continuing education. RCPAQAP is working with subject matter experts to ensure the modules meet participants learning needs. Web-based delivery offers flexible learning where learners can access the modules anywhere and at any time.

Modules available for 2016 are;

- Quality Assurance and Quality Control – suitable for multi-test analysers in Chemical Pathology/Haematology/Immunology – (Basic scientists level) \*
- Snake and snake bite: the role of the pathology laboratories \*
- Pre-Analytical Module - Select safe sites for venepuncture \*
- Cytopathology Module 1 - Anatomy of the Female Genital Tract \*\*
- Cytopathology Module 2 - Cytological Identification of normal epithelial cells and other cellular components of cervical and vaginal smears \*\*

\* These modules are eligible for Australian Institute of Medical Scientists (AIMS) APACE accreditation - 6 APACE points upon successful completion of each module.

\*\*These modules are eligible for the Australian Society of Cytology (ASC) Continuing Education for Cytologists (CEC) Program for non-medical members. Refer to Category 2 “Computer based learning”.

## NEW for 2016

Available from March 2016.

Haematology Morphology course offering Red Cell, White Cell, Platelets and Paediatric Morphology.

Participants will be able to enrol in these modules via the Enrolments section in the myQAP (customer portal) and then view the modules in the Training tab once payment is received.

For further details please Contact RCPAQAP:

Phone (+ 612) 9045 6000

Email [ellearn@rcpaqap.com.au](mailto:ellearn@rcpaqap.com.au)

## Virtual Microscopy Unit

The RCPA Quality Assurance Programs Pty Limited is committed to providing services to enhance education, training and continuous professional development in pathology. High resolution digital images are being used for:

- RCPAQAP Anatomical Pathology diagnostic modules,
- Some RCPAQAP Cytopathology non-gynaecological surveys,
- Enhancement of the RCPAQAP Haematology morphology program,
- Provision of the paediatric morphology program and
- Provision of the malaria parasite program

For more information please consult the RCPAQAP virtual microscopy unit website or contact us by using the websites' contact us form.

<http://www.rcpaqap.com.au/virtual.microscopy/>

The RCPAQAP Virtual Microscopy Unit also offers a scanning service for individuals or organisations. Contact us for an [obligation free quote](#)

### RCPAQAP Virtual Microscopy Unit

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Email [virtual.microscopy@rcpaqap.com.au](mailto:virtual.microscopy@rcpaqap.com.au)





# Test Index

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3-Methoxytyramine	Chemical Pathology	<a href="#">Plasma Metanephrines</a>
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Albumin	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Alcohol	Chemical Pathology	<a href="#">Alcohol / Ammonia</a>
Aldosterone	Chemical Pathology	<a href="#">Endocrine</a>
ALK translocation in NSCLC - Pilot	Molecular Genetics	<a href="#">RCPAQAP: Oncology</a>
Alkaline Phosphatase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Alkaline Phosphatase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Alkaline Phosphatase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Alpha – Beta Cells	Immunology	<a href="#">Immunophenotyping</a>
Alpha-1-antitrypsin	Immunology	<a href="#">Specific Proteins</a>
Alpha-fetoprotein	Chemical Pathology	<a href="#">Endocrine</a>
Alpha-fetoprotein	Chemical Pathology	<a href="#">Tumour Markers</a>
Alphavirus & Flavivirus NAT	Serology	<a href="#">Molecular Infectious Diseases</a>
Alphavirus serology	Serology	<a href="#">Viral</a>
Alternaria Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
Aluminium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Amikacin	Chemical Pathology	<a href="#">Special Drugs</a>
Amiodarone	Chemical Pathology	<a href="#">Special Drugs</a>
Amitriptyline	Chemical Pathology	<a href="#">Special Drugs</a>
Ammonia	Chemical Pathology	<a href="#">Alcohol / Ammonia</a>
Amphetamine	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Amylase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>

Analyte / Test	Discipline	Program
Amylase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Amylase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Anaerobic culture and Identification	Microbiology	<a href="#">Bacteriology, Genital-Anaerobe</a>
Androstenedione	Chemical Pathology	<a href="#">Endocrine</a>
Angiotensin Converting Enzyme (ACE)	Chemical Pathology	<a href="#">Endocrine ACE</a>
Animal Epithelium Mix Allergens	Immunology	<a href="#">Inhalant Allergens</a>
Anion Gap	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Antibiotic susceptibility testing	Microbiology	<a href="#">Bacteriology, Urine, Respiratory, Genital/Anaerobe, Skin</a>
Antibody Identification Only	Transfusion	<a href="#">Transfusion Competency Program</a>
Antibody Screen Only	Transfusion	<a href="#">Transfusion Competency Program</a>
Antineutrophil Cytoplasmic antibodies	Immunology	<a href="#">Vasculitis Serology</a>
Antinuclear Antibody	Immunology	<a href="#">Antinuclear Antibodies</a>
Antithrombin	Haematology	<a href="#">Special Haemostasis: Module B</a>
APC resistance	Haematology	<a href="#">Special Haemostasis: Module B</a>
Apixaban	Haematology	<a href="#">Special Haemostasis: Module G</a>
Apolipoprotein A1	Chemical Pathology	<a href="#">Special Lipids</a>
Apolipoprotein B	Chemical Pathology	<a href="#">Special Lipids</a>
Arsenic	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Arsenic	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Artefacts (starch, talc)	Synovial Fluid	<a href="#">Synovial Fluid</a>
Aspartate Amino Transferase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Aspartate Amino Transferase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Aspartate Amino Transferase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Aspergillus fumigatus (IgG antibodies )	Immunology	<a href="#">Fungal &amp; Avian Antibodies</a>
Aspergillus Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
Autosomal Dominant Polycystic Kidney disease -Pilot	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Bacterial culture/identification/antibiotic susceptibility	Microbiology	<a href="#">Bacteriology, Urine, Respiratory, Genital/Anaerobe, Skin</a>
Bacterial serotyping	Microbiology	<a href="#">Serotyping Module</a>
BCR / ABL	Molecular Genetics	<a href="#">Molecular Haematology</a>
bcr-abl for ALL	Haematology	<a href="#">Molecular Diagnostics: Module 3</a>
bcr-abl for CML	Haematology	<a href="#">Molecular Diagnostics: Module 3</a>
Bee Venom Specific IgE	Immunology	<a href="#">Bee Venom IgE</a>
Benzodiazepines	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Bermuda Grass Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
Beta-2-Glycoprotein-I (IgA antibodies )	Immunology	<a href="#">Rheumatic Disease Serology</a>
Beta-2-Glycoprotein-I (IgG antibodies )	Immunology	<a href="#">Rheumatic Disease Serology</a>
Beta-2-Microglobulin	Chemical Pathology	<a href="#">Tumour Markers</a>
Beta-carotene	Chemical Pathology	<a href="#">Vitamins Serum</a>
Bicarbonate	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Bicarbonate	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Bicarbonate	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>



Analyte / Test	Discipline	Program
Bile Acids - Total	Chemical Pathology	<a href="#">Bile Acids</a>
Bilirubin-Conjugated	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Bilirubin-Conjugated	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Bilirubin-Conjugated	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Bilirubin-Conjugated	Chemical Pathology	<a href="#">Neonatal Bilirubin</a>
Bilirubin-Total	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Bilirubin-Total	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Bilirubin-Total	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Bilirubin-Total	Chemical Pathology	<a href="#">Neonatal Bilirubin</a>
Biogenic Amines Clinical Evaluation	Chemical Pathology	<a href="#">Biogenic Amines</a>
Blood Film Differential Count	Haematology	<a href="#">Manual Differential</a>
Blood Group and Antibody Screen (Identification – optional) : Up to 3 participants results can be submitted per survey)	Transfusion	<a href="#">Individual Assessment Program</a>
Blood Group Only	Transfusion	<a href="#">Transfusion Competency Program</a>
Blood grouping (Ab Screen/Identification –Optional)	Transfusion	<a href="#">Blood Grouping and Antibody Screen</a>
Blood, urine dipstick chemistry	Microbiology	<a href="#">Urine Dipstick Chemistry</a>
Bone Marrow Morphology	Haematology	<a href="#">Bone Marrow Morphology</a>
<i>Bordetella pertussis</i>	Microbiology	<a href="#">Molecular Infectious Diseases</a>
<i>Bordetella pertussis</i> serology	Serology	<a href="#">Vaccine Preventable</a>
Breast / Ovarian Cancer, familial (Full version)	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Breast / Ovarian Cancer, familial (Genotyping-only)	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Breast Immunohistochemistry	Anatomical Pathology	<a href="#">IHC Breast Markers</a>
Breast Markers Audit	Anatomical Pathology	<a href="#">Breast Markers Audit</a>
Breast Pathology	Anatomical Pathology	<a href="#">Breast Diagnostic</a>
Bronchoscope, Microbiological surveillance culture	Microbiology	<a href="#">Microbiological Surveillance Culture</a>
Brucella serology	Serology	<a href="#">Bacterial</a>
B-Type Natriuretic Peptide (BNP)	Chemical Pathology	<a href="#">BNP Program</a>
Budgie (IgG antibodies )	Immunology	<a href="#">Fungal &amp; Avian Antibodies</a>
C Peptide	Chemical Pathology	<a href="#">IGF-1/C Peptide</a>
C-1-esterase inhibitor	Immunology	<a href="#">Specific Proteins</a>
CA 125	Chemical Pathology	<a href="#">Endocrine</a>
CA 125	Chemical Pathology	<a href="#">Tumour Markers</a>
CA 15-3	Chemical Pathology	<a href="#">Tumour Markers</a>
CA 19-9	Chemical Pathology	<a href="#">Tumour Markers</a>
Cadmium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Cadmium	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Caeruloplasmin	Immunology	<a href="#">Specific Proteins</a>
Calcitonin	Chemical Pathology	<a href="#">Tumour Markers</a>
Calcium	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Calcium	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Calcium	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Calcium	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>

Analyte / Test	Discipline	Program
Calcium - Adjusted	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Calcium - Ionised	Chemical Pathology	<a href="#">Blood Gases</a>
Calcium - Ionised	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Calcium Pyrophosphate Dihydrate (CPPD) Crystals	Synovial Fluid	<a href="#">Synovial Fluid</a>
Cannabis metabolites	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Carbamazepine	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Carbamazepine	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Carboxyhaemoglobin	Chemical Pathology	<a href="#">Co-oximetry</a>
Cardiolipin (IgA antibodies )	Immunology	<a href="#">Rheumatic Disease Serology</a>
Cardiolipin (IgG antibodies )	Immunology	<a href="#">Rheumatic Disease Serology</a>
Cardiolipin (IgM antibodies )	Immunology	<a href="#">Rheumatic Disease Serology</a>
Case Study	Immunology	<a href="#">Case Study Module</a>
Cashew Specific IgE	Immunology	<a href="#">Food Allergy</a>
Cat Dander/Epithelium Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
CD19+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD19+ Lymphocytes – Absolute Numbers	Immunology	<a href="#">Immunophenotyping</a>
CD3-, CD16+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3-, CD16+, CD56+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3-, CD56+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3+, CD4+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3+, CD4+ Lymphocytes – Absolute Numbers	Immunology	<a href="#">Immunophenotyping</a>
CD3+, CD8+ Lymphocytes	Immunology	<a href="#">Immunophenotyping</a>
CD3+, CD8+ Lymphocytes – Absolute Numbers	Immunology	<a href="#">Immunophenotyping</a>
CD3+Lymphocytes – Absolute Numbers	Immunology	<a href="#">Immunophenotyping</a>
CEA	Chemical Pathology	<a href="#">Endocrine</a>
CEA	Chemical Pathology	<a href="#">Tumour Markers</a>
Charcot-Marie-Tooth Disease	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Chimerism	Haematology	<a href="#">Molecular Diagnostics: Module 5</a>
Chimerism	Molecular Genetics	<a href="#">Molecular Haematology</a>
Chlamydia genus serology	Serology	<a href="#">Bacterial</a>
<i>Chlamydia trachomatis</i> – Molecular Diagnostics	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Chlamydia trachomatis Antigen EIA	Serology	<a href="#">Bacterial</a>
Chlamydia trachomatis Antigen IFA	Serology	<a href="#">Bacterial</a>
Chloride	Chemical Pathology	<a href="#">Blood Gases</a>
Chloride	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Chloride	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Chloride	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Chloride	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Chloride	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Chloride	Chemical Pathology	<a href="#">Sweat Electrolytes</a>
Cholesterol	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>



Analyte / Test	Discipline	Program
Cholesterol	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Cholesterol	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Cholesterol	Chemical Pathology	<a href="#">Special Lipids</a>
Cholesterol – Non HDL	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Cholesterol Crystals	Synovial Fluid	<a href="#">Synovial Fluid</a>
Cholinesterase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Cholinesterase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Cholinesterase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Chr.11p Imprinting Disorders - Pilot	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Chromium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Chromium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Chromium	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
<i>Clostridium difficile</i> culture/antigen/toxin detection/ribotyping	Microbiology	<a href="#">Clostridium difficile Laboratory Detection</a>
Clozapine	Chemical Pathology	<a href="#">Special Drugs</a>
Cobalt	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Cobalt	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Cobalt	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Cocaine metabolites	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Complement C3	Immunology	<a href="#">Specific Proteins</a>
Complement C4	Immunology	<a href="#">Specific Proteins</a>
Congenital Adrenal Hyperplasia	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Constitutional Microarray Analysis (aCGH)	Molecular Genetics	<a href="#">EMQN: Technique Specific</a>
Conventional gynaecological	Cytopathology	<a href="#">Gynaecological Cytopathology</a>
Copper	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Copper	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Cortisol	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Cortisol	Chemical Pathology	<a href="#">Endocrine</a>
Cortisol	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Cortisol	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Cortisol	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Cow's Milk Specific IgE	Immunology	<a href="#">Food Allergy</a>
CPPD	Synovial Fluid	<a href="#">Synovial Fluid</a>
C-Reactive Protein	Immunology	<a href="#">C-Reactive Protein</a>
C-Reactive Protein – High Sensitivity	Immunology	<a href="#">C-Reactive Protein</a>
Creatine Kinase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Creatine Kinase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Creatine Kinase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Creatine Kinase-MB	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Creatine Kinase-MB	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Creatinine	Chemical Pathology	<a href="#">Blood Gases</a>
Creatinine	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>

Analyte / Test	Discipline	Program
Creatinine	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Creatinine	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Creatinine	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Creatinine	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Creatinine	Chemical Pathology	<a href="#">Urine Toxicology</a>
Crossmatching Only	Transfusion	<a href="#">Transfusion Competency Program</a>
Cryptococcal Antigen	Serology	<a href="#">Parasite and Spirochaete</a>
Cyclic citrullinated peptide antibodies	Immunology	<a href="#">Cyclic citrullinated peptide</a>
Cyclosporin	Chemical Pathology	<a href="#">Immunosuppressants</a>
Cystic Fibrosis	Molecular Genetics	<a href="#">Cystic Fibrosis Program</a>
Cytomegalovirus	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Cytomegalovirus serology	Serology	<a href="#">Lymphadenopathy</a>
D. pteronyssinus Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
Dabigatran	Haematology	<a href="#">Special Haemostasis: Module G</a>
DAT Only	Transfusion	<a href="#">Transfusion Competency Program</a>
D-Dimer – fully quantitative	Haematology	<a href="#">D-Dimer: Module 1</a>
D-Dimer – semi quantitative/ qualitative	Haematology	<a href="#">D-Dimer: Module 2</a>
Deamidated Gliadin (IgA antibodies )	Immunology	<a href="#">Coeliac Serology</a>
Deamidated Gliadin (IgG antibodies )	Immunology	<a href="#">Coeliac Serology</a>
Dermatopathology	Anatomical Pathology	<a href="#">Dermatopathology Diagnostic</a>
Dermatophyte Identification	Microbiology	<a href="#">Mycology</a>
DHEA Sulphate	Chemical Pathology	<a href="#">Endocrine</a>
DHEA Sulphate	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
DHT	Chemical Pathology	<a href="#">Endocrine</a>
DHT	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Digoxin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Digoxin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
DNA Sequencing - Sanger - Full version	Molecular Genetics	<a href="#">EMQN: Technique Specific</a>
DNA Sequencing – NextGen (NGS; Pilot)	Molecular Genetics	<a href="#">EMQN: Technique Specific</a>
DNA Sequencing - Sanger - Data Assessment only	Molecular Genetics	<a href="#">EMQN: Technique Specific</a>
Dopamine	Chemical Pathology	<a href="#">Biogenic Amines</a>
Drug Testing	Chemical Pathology	<a href="#">Urine Toxicology</a>
dsDNA antibodies	Immunology	<a href="#">Rheumatic Disease Serology</a>
Duchenne & Becker Muscular Dystrophy	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
eGFR	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Egg Specific IgE	Immunology	<a href="#">Food Allergy</a>
Electron microscopy	Anatomical Pathology	<a href="#">Electron Microscopy</a>
ENA	Immunology	<a href="#">Rheumatic Disease Serology</a>
Endomysial antibodies	Immunology	<a href="#">Coeliac Serology</a>
Endoscope, Microbiological surveillance culture	Microbiology	<a href="#">Microbiological Surveillance Culture</a>
Entamoeba serology	Serology	<a href="#">Parasite and Spirochaete</a>
Enterovirus	Microbiology	<a href="#">Molecular Infectious Diseases</a>



Analyte / Test	Discipline	Program
Epstein Barr Virus serology	Serology	<a href="#">Lymphadenopathy</a>
Erythrocyte Sedimentation Rate (method specific)	Haematology	<a href="#">ESR: Module 1 and Module 2</a>
F-Actin antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Factor II	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor IX	Haematology	<a href="#">Additional Factors: Module 1</a>
Factor V	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor V Leiden	Haematology	<a href="#">Molecular Diagnostics: Module 1</a>
Factor V Leiden	Molecular Genetics	<a href="#">Molecular Haematology</a>
Factor VII	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor VIII	Haematology	<a href="#">Additional Factors: Module 1</a>
Factor X	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor XI	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor XII	Haematology	<a href="#">Additional Factors: Module 2</a>
Factor XIII	Haematology	<a href="#">Special Haemostasis: Module H</a>
Faecal Occult Blood (Qualitative)	Chemical Pathology	<a href="#">Faecal Occult Blood</a>
Faecal parasites, smears/wet films	Microbiology	<a href="#">Parasitology</a>
Faecal pathogens, bacterial culture/identification	Microbiology	<a href="#">Bacteriology, Faecal</a>
Familial Adenomatous Polyposis Colon Cancer	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Familial autosomal dominant hypercholesterolemia	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Familial SHOX-related disorders	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Ferritin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Ferritin	Chemical Pathology	<a href="#">Endocrine</a>
Ferritin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Ferritin	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Fibrinogen	Haematology	<a href="#">Haemostasis</a>
Flavivirus serology	Serology	<a href="#">Viral</a>
FLT3-ITD	Molecular Genetics	<a href="#">Molecular Haematology</a>
FLT-3ITD	Haematology	<a href="#">Molecular Diagnostics: Module 9</a>
FMR1-Related Disorders	Molecular Genetics	<a href="#">RCPAQAP: Disease</a>
Foetal Cell Estimation: Flow Cytometry	Transfusion	<a href="#">Foeto-Maternal Haemorrhage Estimation</a>
Foetal Cell Estimation: Kleihauer Test	Transfusion	<a href="#">Foeto-Maternal Haemorrhage Estimation</a>
Folate	Chemical Pathology	<a href="#">Endocrine</a>
Folate	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Forensic Pathology	Anatomical Pathology	<a href="#">Forensic Diagnostic</a>
Fragile X Syndrome - Full Version	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Fragile X Syndrome Pre-Screening – only version	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Free Deoxyypyridinoline	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Free T3	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Free T3	Chemical Pathology	<a href="#">Endocrine</a>
Free T3	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Free T3	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Free T4	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>

Analyte / Test	Discipline	Program
Free T4	Chemical Pathology	<a href="#">Endocrine</a>
Free T4	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Free T4	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Friedreich Ataxia	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Frozen section histotechnology	Anatomical Pathology	<a href="#">Technical Frozen Section</a>
Fructosamine	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Fructosamine	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Fructosamine	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
FSH	Chemical Pathology	<a href="#">Endocrine</a>
FSH	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Fungal culture/identification	Microbiology	<a href="#">Mycology</a>
FVIII Inhibitor	Haematology	<a href="#">Special Haemostasis: Module D</a>
GAD Antibodies	Immunology	<a href="#">Type 1 Diabetes Antibodies</a>
Gamma Glutamyl Transferase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Gamma Glutamyl Transferase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Gamma Glutamyl Transferase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Gastrin	Chemical Pathology	<a href="#">Tumour Markers</a>
Gastrointestinal Pathology	Anatomical Pathology	<a href="#">Gastrointestinal Diagnostic</a>
General Anatomical Pathology	Anatomical Pathology	<a href="#">General Diagnostic</a>
Genital swabs culture/identification	Microbiology	<a href="#">Bacteriology, Genital-Anaerobe</a>
Gentamicin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Gentamicin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Gentamicin	Chemical Pathology	<a href="#">Special Drugs</a>
Globulins	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Glomerular Basement Membrane antibody	Immunology	<a href="#">Vasculitis Serology</a>
Glucose	Chemical Pathology	<a href="#">Blood Gases</a>
Glucose	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Glucose	Chemical Pathology	<a href="#">CSF Chemistry</a>
Glucose	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Glucose	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Glucose	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Glucose	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Glucose, urine dipstick chemistry	Microbiology	<a href="#">Urine Dipstick Chemistry</a>
Glucose-6-phosphate dehydrogenase Assay	Haematology	<a href="#">G-6-PD</a>
Glucose-6-phosphate dehydrogenase Screen	Haematology	<a href="#">G-6-PD</a>
Gonococcal culture/identification	Microbiology	<a href="#">Bacteriology, Genital-Anaerobe</a>
Gram stains	Microbiology	<a href="#">STAT Microscopy</a>
Grass Pollen Mix Allergens	Immunology	<a href="#">Inhalant Allergens</a>
Growth Hormone	Chemical Pathology	<a href="#">Endocrine</a>
Growth Hormone	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Gynaecological Pathology	Anatomical Pathology	<a href="#">Gynaecological Diagnostic</a>
Haematocrit	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>





Analyte / Test	Discipline	Program
Haematocrit	Haematology	<a href="#">Full Blood Count</a>
Haematology Immunophenotyping	Haematology	<a href="#">Haematology Immunophenotyping</a>
Haemoglobin	Chemical Pathology	<a href="#">Co-oximetry</a>
Haemoglobin	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Haemoglobin	Haematology	<a href="#">Full Blood Count</a>
Haemoglobin A <sub>2</sub>	Haematology	<a href="#">Haemoglobinopathy</a>
Haemoglobin F	Haematology	<a href="#">Haemoglobinopathy</a>
Haptoglobin	Immunology	<a href="#">Specific Proteins</a>
HbA1c - Lyophilised blood	Chemical Pathology	<a href="#">Glycohaemoglobin Lyophilised</a>
HbA1c - Whole blood	Chemical Pathology	<a href="#">Glycohaemoglobin Whole Blood</a>
hCG-Qualitative Total	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
hCG-Qualitative Total	Chemical Pathology	<a href="#">General Serum Chemistry</a>
hCG-Qualitative Total	Chemical Pathology	<a href="#">General Urine Chemistry</a>
hCG-Qualitative Total	Chemical Pathology	<a href="#">Urine Pregnancy</a>
hCG-Quantitative Total	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
hCG-Quantitative Total	Chemical Pathology	<a href="#">Endocrine</a>
hCG-Quantitative Total	Chemical Pathology	<a href="#">General Serum Chemistry</a>
hCG-Quantitative Total	Chemical Pathology	<a href="#">General Urine Chemistry</a>
hCG-Quantitative Total	Chemical Pathology	<a href="#">Tumour Markers</a>
HDL Cholesterol	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
HDL Cholesterol	Chemical Pathology	<a href="#">General Serum Chemistry</a>
HDL Cholesterol	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
HDL Cholesterol	Chemical Pathology	<a href="#">Special Lipids</a>
<i>Helicobacter pylori</i> serology	Serology	<a href="#">Bacterial</a>
Heparin Monitoring - Low Molecular Weight Heparin	Haematology	<a href="#">Special Haemostasis: Module F Option2</a>
Heparin Monitoring - Unfractionated Heparin	Haematology	<a href="#">Special Haemostasis: Module F Option1</a>
Hepatitis A serology	Serology	<a href="#">Hepatitis</a>
Hepatitis B DNA (Qualitative/ Quantitative)	Serology	<a href="#">Molecular Infectious Diseases</a>
Hepatitis B serology	Serology	<a href="#">Hepatitis</a>
Hepatitis C Genotyping	Serology	<a href="#">Molecular Infectious Diseases</a>
Hepatitis C RNA (Qualitative/ Quantitative)	Serology	<a href="#">Molecular Infectious Diseases</a>
Hepatitis C serology	Serology	<a href="#">Hepatitis</a>
Hepatitis D serology	Serology	<a href="#">Hepatitis</a>
Hepatitis E serology	Serology	<a href="#">Hepatitis</a>
HER2 BRISH Breast techniques	Anatomical Pathology	<a href="#">HER2 BRISH (Breast)</a>
HER2 BRISH Gastric techniques	Anatomical Pathology	<a href="#">HER2 BRISH (Gastric)</a>
Hereditary Deafness - GJB2/GJB6	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Hereditary Haemochromatosis	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Hereditary Haemochromatosis	Molecular Genetics	<a href="#">Molecular Haematology</a>
Hereditary Haemochromatosis Cys282Tyr	Haematology	<a href="#">Molecular Diagnostics: Module 2</a>
Hereditary Haemochromatosis His63Asp	Haematology	<a href="#">Molecular Diagnostics: Module 2</a>
Hereditary Recurrent Fevers	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>

Analyte / Test	Discipline	Program
<i>Herpes simplex</i> serology	Serology	<a href="#">Viral</a>
Herpes simplex virus type 1 and 2	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Histotechnology (routine)	Anatomical Pathology	<a href="#">Technical</a>
HIV PoCT ONLY	Serology	<a href="#">Point-of-Care Program</a>
HIV serology (comprehensive)	Serology	<a href="#">Retroviral</a>
HIV-1 RNA (Quantitative)	Serology	<a href="#">Molecular Infectious Diseases</a>
HLA B*57 (in conjunction with APHIA)	Immunology	<a href="#">HLA B*57</a>
HLA B27 Status	Immunology	<a href="#">HLA B27 Status</a>
HMMA	Chemical Pathology	<a href="#">Biogenic Amines</a>
Holotranscobalamin	Chemical Pathology	<a href="#">Endocrine</a>
Holotranscobalamin	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Homocysteine	Chemical Pathology	<a href="#">Endocrine</a>
House Dust Mite Mix Allergens	Immunology	<a href="#">Inhalant Allergens</a>
House Dust Mite Specific IgE (D. pteronyssinus)	Immunology	<a href="#">Inhalant Allergens</a>
HTLV serology	Serology	<a href="#">Retroviral</a>
Human Papillomavirus DNA	Serology	<a href="#">Molecular Infectious Diseases</a>
Huntington Disease	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
HVA	Chemical Pathology	<a href="#">Biogenic Amines</a>
Hydatid serology	Serology	<a href="#">Parasite and Spirochaete</a>
IA2 antibodies	Immunology	<a href="#">Type 1 Diabetes Antibodies</a>
IDH1/IDH2 Sequencing	Molecular Genetics	<a href="#">RCPAQAP: Sample Exchange</a>
IgA	Immunology	<a href="#">Specific Proteins</a>
IgE	Immunology	<a href="#">IgE (Total)</a>
IGF-1	Chemical Pathology	<a href="#">IGF-1/C Peptide</a>
IGF-BP3	Chemical Pathology	<a href="#">IGF-1/C Peptide</a>
IgG	Immunology	<a href="#">Specific Proteins</a>
IgG Subclasses	Immunology	<a href="#">IgG Subclasses</a>
IgM	Immunology	<a href="#">Specific Proteins</a>
Immunoglobulin G	Chemical Pathology	<a href="#">CSF Chemistry</a>
Immunoglobulin heavy chain gene	Haematology	<a href="#">Molecular Diagnostics: Module 4</a>
Immunoglobulin heavy chain gene	Molecular Genetics	<a href="#">Molecular Haematology</a>
Immunohistochemistry (routine technical)	Anatomical Pathology	<a href="#">IHC Technical Markers</a>
Infectious Mononucleosis	Serology	<a href="#">Infectious Mononucleosis</a>
Influenza A & B Antibody serology	Serology	<a href="#">Vaccine Preventable</a>
Influenza A & B Antigen PoCT ONLY	Serology	<a href="#">Point-of-Care Program</a>
Influenza Molecular Diagnostics	Serology	<a href="#">Molecular Infectious Diseases</a>
Insulin	Chemical Pathology	<a href="#">Endocrine</a>
International Normalised Ratio	Haematology	<a href="#">Haemostasis</a>
International Normalised Ratio	Haematology	<a href="#">Point-of-Care INR</a>
Intrinsic Factor antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Iodine	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Iron	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>



Analyte / Test	Discipline	Program
Iron	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Iron	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Iron	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Islet Cell antibodies	Immunology	<a href="#">Type 1 Diabetes Antibodies</a>
Isolates from blood cultures and sterile sites	Microbiology	<a href="#">Bacteriology, Difficult Isolate</a>
Jak 2	Haematology	<a href="#">Molecular Diagnostics: Module 7</a>
JAK2	Molecular Genetics	<a href="#">Molecular Haematology</a>
Lactate	Chemical Pathology	<a href="#">Blood Gases</a>
Lactate	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Lactate	Chemical Pathology	<a href="#">CSF Chemistry</a>
Lactate	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Lactate	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Lactate	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Lactate Dehydrogenase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Lactate Dehydrogenase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Lactate Dehydrogenase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Latex Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
LDL Calculated	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
LDL Cholesterol	Chemical Pathology	<a href="#">Special Lipids</a>
Lead	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Lead	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Legionella serology	Serology	<a href="#">Bacterial</a>
Legionella Urinary Antigen	Serology	<a href="#">Bacterial</a>
Leptospiral serology	Serology	<a href="#">Parasite and Spirochaete</a>
Leucocyte esterase, urine dipstick chemistry	Microbiology	<a href="#">Urine Dipstick Chemistry</a>
LH	Chemical Pathology	<a href="#">Endocrine</a>
LH	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Lipase	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Lipase	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Lipase	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Lipoprotein (a)	Chemical Pathology	<a href="#">Special Lipids</a>
Liquid-based Surepath gynaecological	Cytopathology	<a href="#">Gynaecological Cytopathology</a>
Liquid-based ThinPrep gynaecological	Cytopathology	<a href="#">Gynaecological Cytopathology</a>
Lithium	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Lithium	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Lithium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Liver / kidney Microsome antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Lupus Anticoagulant	Haematology	<a href="#">Special Haemostasis: Module A</a>
Lyme Disease serology	Serology	<a href="#">Parasite and Spirochaete</a>
Lymphoma Immunohistochemistry	Anatomical Pathology	<a href="#">IHC Lymphoma Markers</a>
Lynch Syndrome	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Magnesium	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>

Analyte / Test	Discipline	Program
Magnesium	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Magnesium	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Magnesium	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Magnesium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Magnesium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Magnesium	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Malarial Parasite – Rapid Kit Test	Haematology	<a href="#">Malarial Parasite</a>
Malarial Parasite - Virtual Program	Haematology	<a href="#">Malarial Parasite</a>
Manganese	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Manganese	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Massively Parallel Sequencing (NGS) - Pilot	Molecular Genetics	<a href="#">RCPAQAP: Technical</a>
Maternal Cell Contamination	Molecular Genetics	<a href="#">RCPAQAP: Technical</a>
Mean Cell Volume	Haematology	<a href="#">Full Blood Count</a>
Measles serology	Serology	<a href="#">Vaccine Preventable</a>
mecA gene/nuc	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Mercury	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Mercury	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Metanephrine	Chemical Pathology	<a href="#">Biogenic Amines</a>
Metanephrine	Chemical Pathology	<a href="#">Plasma Metanephrines</a>
Methaemoglobin	Chemical Pathology	<a href="#">Co-oximetry</a>
Methamphetamine	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Methotrexate	Chemical Pathology	<a href="#">Special Drugs</a>
MGMT hypermethylation	Molecular Genetics	<a href="#">RCPAQAP: Sample Exchange</a>
Mitochondrial antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Mitochondrial Myopathy	Molecular Genetics	<a href="#">RCPAQAP: Disease</a>
Mohs Diagnostic Pathology	Anatomical Pathology	<a href="#">Mohs Diagnostic</a>
Molecular testing for Melanoma	Molecular Genetics	<a href="#">EMQN: Molecular Pathology</a>
Molecular testing in Lung Cancer (NSCLC)	Molecular Genetics	<a href="#">EMQN: Molecular Pathology</a>
Molecular testing in sporadic colorectal cancer	Molecular Genetics	<a href="#">EMQN: Molecular Pathology</a>
Monogenic Diabetes	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Monosodium Urate Monohydrate (Urate) Crystals	Synovial Fluid	<a href="#">Synovial Fluid</a>
Morphology	Haematology	<a href="#">Morphology</a>
Morphology Educational DVD – Virtual Images	Haematology	<a href="#">Morphology</a>
Mould Mix Allergens	Immunology	<a href="#">Inhalant Allergens</a>
MTHFR	Molecular Genetics	<a href="#">Molecular Haematology</a>
MTHFR (Ala677Val)	Haematology	<a href="#">Molecular Diagnostics: Module 1</a>
Multiple Endocrine Neoplasia Type 2	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Mumps serology	Serology	<a href="#">Vaccine Preventable</a>
Mutation Detection in Colorectal Cancer	Molecular Genetics	<a href="#">RCPAQAP: Oncology</a>
Mutation Detection in Lung Cancer	Molecular Genetics	<a href="#">RCPAQAP: Oncology</a>
Mutation Detection in Melanoma	Molecular Genetics	<a href="#">RCPAQAP: Oncology</a>
Mycobacterial culture	Microbiology	<a href="#">Bacteriology, Mycobacteriology</a>



Analyte / Test	Discipline	Program
<i>Mycobacterium avium</i> complex	Microbiology	<a href="#">Molecular Infectious Diseases</a>
<i>Mycobacterium tuberculosis</i>	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Mycology culture/identification	Microbiology	<a href="#">Mycology</a>
Mycophenolate	Chemical Pathology	<a href="#">Special Drugs</a>
Mycoplasma serology	Serology	<a href="#">Bacterial</a>
Myeloperoxidase antibodies	Immunology	<a href="#">Vasculitis Serology</a>
Myositis and scleroderma antibodies	Immunology	<a href="#">Myositis Specific and Scleroderma antibodies</a>
Myotonic Dystrophy	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
<i>Neisseria gonorrhoeae</i>	Microbiology	<a href="#">Molecular Infectious Diseases</a>
<i>Neisseria meningitidis</i>	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Neuropathology	Anatomical Pathology	<a href="#">Neuropathology Diagnostic</a>
Neuropathology Immunohistochemistry & Technical	Anatomical Pathology	<a href="#">Neuropathology IHC and Technical</a>
Nickel	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Nitrite, urine dipstick chemistry	Microbiology	<a href="#">Urine Dipstick Chemistry</a>
Non-crystalline inclusions (cartilage, fibrin, rice bodies)	Synovial Fluid	<a href="#">Synovial Fluid</a>
Non-gynaecological Fine needle Aspiration	Cytopathology	<a href="#">Non-gynaecological Cytopathology</a>
Non-gynaecological General	Cytopathology	<a href="#">Non-gynaecological Cytopathology</a>
Non-invasive prenatal diagnosis using cell free fetal DNA for sex determination – Pilot (cffDNA-15)	Molecular Genetics	<a href="#">EMQN: Technique Specific</a>
Noradrenaline	Chemical Pathology	<a href="#">Biogenic Amines</a>
Normetanephrine	Chemical Pathology	<a href="#">Biogenic Amines</a>
Normetanephrine	Chemical Pathology	<a href="#">Plasma Metanephrines</a>
Nortriptyline	Chemical Pathology	<a href="#">Special Drugs</a>
NPM1 – Pilot	Haematology	<a href="#">Molecular Diagnostics: Module 10</a>
NPM1 – Pilot	Molecular Genetics	<a href="#">Molecular Haematology</a>
NSE	Chemical Pathology	<a href="#">Tumour Markers</a>
N-Telopeptides	Chemical Pathology	<a href="#">General Urine Chemistry</a>
NT-pro B Type Natriuretic Peptide	Chemical Pathology	<a href="#">BNP Program</a>
Nucleosome antibodies	Immunology	<a href="#">Rheumatic Disease Serology</a>
Oestradiol	Chemical Pathology	<a href="#">Endocrine</a>
Oestradiol	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Oestriol (Unconjugated)	Chemical Pathology	<a href="#">Endocrine</a>
Oligoclonal Banding - Interpretive Comment	Chemical Pathology	<a href="#">CSF Oligoclonal Bands</a>
Oligoclonal Banding (CSF)	Chemical Pathology	<a href="#">CSF Oligoclonal Bands</a>
Oligoclonal Banding (Serum)	Chemical Pathology	<a href="#">CSF Oligoclonal Bands</a>
Oncogene panel testing (ONCOPANEL-15)	Molecular Genetics	<a href="#">EMQN: Molecular Pathology</a>
Opiates	Chemical Pathology	<a href="#">On-site Urine Toxicology Screening</a>
Oral and Maxillofacial Pathology	Anatomical Pathology	<a href="#">Oral and Maxillofacial Pathology</a>
Osmolality	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Osmolality	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Osmolality	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Osmolality	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>

Analyte / Test	Discipline	Program
Osmolar Gap	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Osteogenesis imperfect	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Oxyhaemoglobin	Chemical Pathology	<a href="#">Co-oximetry</a>
P1NP	Chemical Pathology	<a href="#">Endocrine</a>
P1NP	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Paediatric Morphology - Virtual Program	Haematology	<a href="#">Paediatric Morphology</a>
Paediatric Pathology	Anatomical Pathology	<a href="#">Paediatric Diagnostic</a>
Paracetamol	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Paracetamol	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Paraprotein Identity – Serum & Urine	Immunology	<a href="#">Paraproteins</a>
Paraprotein Quantitation – Serum & Urine	Immunology	<a href="#">Paraproteins</a>
Parietal Cell antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Paroxysmal nocturnal haemoglobinuria (PNH)	Haematology	<a href="#">Oncology Immunophenotyping</a>
Parvovirus serology	Serology	<a href="#">Viral</a>
Patient Identification, Blood Group, Antibody Screen, Crossmatch/ Compatibility Testing and DAT	Transfusion	<a href="#">Basic Compatibility Module</a>
Patient Identification, Blood Group, Antibody Screen/ Identification, Crossmatch/ Compatibility Testing, DAT and Elution Studies	Transfusion	<a href="#">General Compatibility Module</a>
pCO <sub>2</sub>	Chemical Pathology	<a href="#">Blood Gases</a>
pCO <sub>2</sub>	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Peanut Specific IgE	Immunology	<a href="#">Food Allergy</a>
Performance Measures	Cytopathology	<a href="#">Performance Measures</a>
PFA-100 analysis	Haematology	<a href="#">Special Haemostasis: Module E</a>
pH	Chemical Pathology	<a href="#">Blood Gases</a>
pH	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Phenobarbitone	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Phenobarbitone	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Phenotyping Only (Rh/ K antigens)	Transfusion	<a href="#">Transfusion Competency Program</a>
Phenylketonuria	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Phenytoin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Phenytoin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Phosphate	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Phosphate (Inorganic)	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Phosphate (Inorganic)	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Phosphate (Inorganic)	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Pigeon (IgG antibodies )	Immunology	<a href="#">Fungal &amp; Avian Antibodies</a>
Platelet	Haematology	<a href="#">Full Blood Count</a>
PML/RARa	Molecular Genetics	<a href="#">Molecular Haematology</a>
PML:RARa	Haematology	<a href="#">Molecular Diagnostics: Module 8</a>
pO <sub>2</sub>	Chemical Pathology	<a href="#">Blood Gases</a>
pO <sub>2</sub>	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Porphobilinogen Qualitative	Chemical Pathology	<a href="#">Porphyrins Urine</a>



Analyte / Test	Discipline	Program
Porphobilinogen Quantitative	Chemical Pathology	<a href="#">Porphyrins Urine</a>
Porphyria	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Porphyrin Faecal Components	Chemical Pathology	<a href="#">Porphyrins Faeces</a>
Porphyrin Faecal Dry Weight	Chemical Pathology	<a href="#">Porphyrins Faeces</a>
Porphyrin Faecal Total	Chemical Pathology	<a href="#">Porphyrins Faeces</a>
Porphyrin Plasma Components	Chemical Pathology	<a href="#">Porphyrins Plasma</a>
Porphyrin Plasma Total	Chemical Pathology	<a href="#">Porphyrins Plasma</a>
Porphyrin Urine Components	Chemical Pathology	<a href="#">Porphyrins Urine</a>
Porphyrin Urine Total	Chemical Pathology	<a href="#">Porphyrins Urine</a>
Porphyrin Whole Blood Fractions	Chemical Pathology	<a href="#">Porphyrins Whole Blood</a>
Porphyrin Whole Blood Total	Chemical Pathology	<a href="#">Porphyrins Whole Blood</a>
Porphyrin Whole Blood Total Clinical Evaluation	Chemical Pathology	<a href="#">Porphyrins Whole Blood</a>
Post-Analytical	KIMMS	<a href="#">Non-Analytical Programs</a>
Potassium	Chemical Pathology	<a href="#">Blood Gases</a>
Potassium	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Potassium	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Potassium	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Potassium	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Potassium	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Prader-Willi & Angelman Syndromes	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Prawn Specific IgE	Immunology	<a href="#">Food Allergy</a>
Prealbumin	Immunology	<a href="#">Specific Proteins</a>
Pre-Analytical Phase – Identification Problems	KIMMS	<a href="#">KIMMS</a>
Pre-Analytical Phase – Samples Rejected	KIMMS	<a href="#">KIMMS</a>
Progesterone	Chemical Pathology	<a href="#">Endocrine</a>
Progesterone	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Prolactin	Chemical Pathology	<a href="#">Endocrine</a>
Prolactin	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Prolactin	Chemical Pathology	<a href="#">Tumour Markers</a>
Protein (Total)	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Protein (Total)	Chemical Pathology	<a href="#">CSF Chemistry</a>
Protein (Total)	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Protein (Total)	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Protein (Total)	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Protein C	Haematology	<a href="#">Special Haemostasis: Module B</a>
Protein S	Haematology	<a href="#">Special Haemostasis: Module B</a>
Protein, urine dipstick chemistry	Microbiology	<a href="#">Urine Dipstick Chemistry</a>
Proteinase-3 antibodies	Immunology	<a href="#">Vasculitis Serology</a>
Prothrombin gene G20210A mutation	Haematology	<a href="#">Molecular Diagnostics: Module 1</a>
Prothrombin gene mutation	Molecular Genetics	<a href="#">Molecular Haematology</a>
PSA - Free	Chemical Pathology	<a href="#">Endocrine PSA</a>
PSA - Total	Chemical Pathology	<a href="#">Endocrine PSA</a>

Analyte / Test	Discipline	Program
PSA - Total	Chemical Pathology	<a href="#">Tumour Markers</a>
PTEN	Molecular Genetics	<a href="#">RCPAQAP: Sample Exchange</a>
PTH	Chemical Pathology	<a href="#">Endocrine</a>
Q fever serology	Serology	<a href="#">Vaccine Preventable</a>
QuantiFERON® -TB Gold (detection only)	Serology	<a href="#">Bacterial</a>
Red Blood Cells	Haematology	<a href="#">Full Blood Count</a>
Red Cell Folate	Chemical Pathology	<a href="#">Endocrine Red Cell Folate</a>
Respiratory Pathogens	Serology	<a href="#">Molecular Infectious Diseases</a>
Reticulocyte Count - Automated, Instrument specific	Haematology	<a href="#">Reticulocyte: Module 2 and Module 3</a>
Reticulocyte Count - Manual	Haematology	<a href="#">Reticulocyte: Module 1</a>
Retinoblastoma	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Rheumatoid Factor - Quantitative	Immunology	<a href="#">Rheumatoid Factor</a>
Rickettsial serology	Serology	<a href="#">Bacterial</a>
Rivaroxaban	Haematology	<a href="#">Special Haemostasis: Module G</a>
RSV Antigen PoCT ONLY	Serology	<a href="#">Point-of-Care Program</a>
Rubella	Serology	<a href="#">Antenatal</a>
Rye Grass Pollen Specific IgE	Immunology	<a href="#">Inhalant Allergens</a>
Salicylate	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Salicylate	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Sanger DNA Sequencing	Molecular Genetics	<a href="#">RCPAQAP: Technical</a>
Schistosomiasis serology	Serology	<a href="#">Parasite and Spirochaete</a>
Scleroderma and Myositis antibodies	Immunology	<a href="#">Myositis Specific and Scleroderma antibodies</a>
Selenium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Selenium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Selenium	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Serotonin	Chemical Pathology	<a href="#">Biogenic Amines</a>
Serum Free Light Chains	Immunology	<a href="#">Paraproteins</a>
Sesame Seed Specific IgE	Immunology	<a href="#">Food Allergy</a>
SHBG	Chemical Pathology	<a href="#">Endocrine</a>
SHBG	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Sirolimus	Chemical Pathology	<a href="#">Immunosuppressants</a>
Skin Basement Membrane antibodies	Immunology	<a href="#">Coeliac Serology</a>
Skin Intercellular Substance antibodies	Immunology	<a href="#">Coeliac Serology</a>
Skin swabs culture/identification	Microbiology	<a href="#">Bacteriology, Skin/Throat</a>
Smooth Muscle antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Snake Venom Detection	Transfusion	<a href="#">Snake Venom Detection</a>
Sodium	Chemical Pathology	<a href="#">Blood Gases</a>
Sodium	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Sodium	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Sodium	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Sodium	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Sodium	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>





Analyte / Test	Discipline	Program
Soy Specific IgE	Immunology	<a href="#">Food Allergy</a>
Spinal Muscular Atrophy	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Spinocerebellar Ataxia's	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Sputum, culture/identification/antibiotic susceptibility	Microbiology	<a href="#">Bacteriology, Respiratory</a>
Streptococcal serology	Serology	<a href="#">Bacterial</a>
Sweat Conductivity	Chemical Pathology	<a href="#">Sweat Electrolytes</a>
Sweat Electrolytes - Clinical Evaluation	Chemical Pathology	<a href="#">Sweat Electrolytes</a>
Synthetic Corticosteroid Crystals	Synovial Fluid	<a href="#">Synovial Fluid</a>
Syphilis	Serology	<a href="#">Antenatal</a>
s-βCTX	Chemical Pathology	<a href="#">Endocrine</a>
s-βCTX	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
T cell receptor gene	Haematology	<a href="#">Molecular Diagnostics: Module 4</a>
Tacrolimus	Chemical Pathology	<a href="#">Immunosuppressants</a>
T-cell receptor gene	Molecular Genetics	<a href="#">Molecular Haematology</a>
Testosterone	Chemical Pathology	<a href="#">Endocrine</a>
Testosterone	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Thalassaemia beta, Thalassaemia alpha	Haematology	<a href="#">Molecular Diagnostics: Module 6</a>
Thalassaemia	Molecular Genetics	<a href="#">Molecular Haematology</a>
Thallium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Thallium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Thallium	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>
Theophylline	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Theophylline	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Throat swab culture/identification	Microbiology	<a href="#">Bacteriology, Skin/Throat</a>
Thrombin Time	Haematology	<a href="#">Haemostasis</a>
Thromboelastometry	Haematology	<a href="#">POC – Thrombo-elastometry</a>
Thrombosis	Molecular Genetics	<a href="#">Molecular Haematology</a>
Thyroglobulin	Chemical Pathology	<a href="#">Tumour Markers</a>
Thyroglobulin antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Thyroid Microsome (TPO) antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Thyroid Receptor antibodies	Immunology	<a href="#">Tissue Autoantibodies</a>
Thyroxine	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Thyroxine	Chemical Pathology	<a href="#">General Serum Chemistry</a>
TIBC	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
TIBC	Chemical Pathology	<a href="#">General Serum Chemistry</a>
TIBC	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Tobramycin	Chemical Pathology	<a href="#">Special Drugs</a>
Total Carotenoids	Chemical Pathology	<a href="#">Vitamins Serum</a>
Total CD34/uL	Haematology	<a href="#">CD34</a>
Total CO2	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Total T3	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>

Analyte / Test	Discipline	Program
Total T3	Chemical Pathology	<a href="#">Endocrine</a>
Total T4	Chemical Pathology	<a href="#">Endocrine</a>
Total Urine Protein	Immunology	<a href="#">Paraproteins</a>
Toxoplasma serology	Serology	<a href="#">Lymphadenopathy</a>
Transferrin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Transferrin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Transferrin	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Transferrin Saturation	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Transglutaminase (IgA antibodies )	Immunology	<a href="#">Coeliac Serology</a>
Transglutaminase (IgG antibodies )	Immunology	<a href="#">Coeliac Serology</a>
Tricyclic Antidepressant Screen	Chemical Pathology	<a href="#">Special Drugs</a>
Triglyceride	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Triglyceride	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Triglyceride	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Triglyceride	Chemical Pathology	<a href="#">Special Lipids</a>
Troponin I	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Troponin I	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Troponin I	Chemical Pathology	<a href="#">Point of Care Testing - Troponin</a>
Troponin T (qualitative) Rapid Assay	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Troponin T (qualitative) Rapid Assay	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Troponin T (quantitative)	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Troponin T (quantitative)	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Troponin T (semi-qual) Roche Cardiac Reader	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Troponin T (semi-qual) Roche Cardiac Reader	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Troponin T (semi-qual) Roche cobas h232	Chemical Pathology	<a href="#">Point of Care Testing - Troponin</a>
Tryptase	Immunology	<a href="#">Tryptase</a>
TSH	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
TSH	Chemical Pathology	<a href="#">Endocrine</a>
TSH	Chemical Pathology	<a href="#">General Serum Chemistry</a>
TSH	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Urate	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Urate	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Urate	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Urate	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Urate	Synovial Fluid	<a href="#">Synovial Fluid</a>
Urea	Chemical Pathology	<a href="#">Blood Gases</a>
Urea	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Urea	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Urea	Chemical Pathology	<a href="#">General Urine Chemistry</a>
Urea	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Urea	Chemical Pathology	<a href="#">Point of Care Testing - Blood Gases</a>
Urine ALA	Chemical Pathology	<a href="#">Porphyrins Urine</a>



Analyte / Test	Discipline	Program
Urine cells counts	Microbiology	<a href="#">Bacteriology, Urine, STAT</a>
Urine culture, bacterial count, identification, antibiotic susceptibility	Microbiology	<a href="#">Bacteriology, Urine</a>
Urological Pathology	Anatomical Pathology	<a href="#">Urological Diagnostic</a>
Valproate	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Valproate	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Vanadium	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Vanadium	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Vancomycin	Chemical Pathology	<a href="#">Condensed Serum Chemistry - OS only</a>
Vancomycin	Chemical Pathology	<a href="#">General Serum Chemistry</a>
Vancomycin	Chemical Pathology	<a href="#">Special Drugs</a>
Variant Haemoglobin	Haematology	<a href="#">Haemoglobinopathy</a>
<i>Varicella zoster</i> serology	Serology	<a href="#">Vaccine Preventable</a>
Varicella zoster virus	Microbiology	<a href="#">Molecular Infectious Diseases</a>
Vitamin A	Chemical Pathology	<a href="#">Vitamins Serum</a>
Vitamin B1	Chemical Pathology	<a href="#">Vitamins Whole Blood</a>
Vitamin B12	Chemical Pathology	<a href="#">Endocrine</a>
Vitamin B12	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Vitamin B2	Chemical Pathology	<a href="#">Vitamins Whole Blood</a>
Vitamin B6	Chemical Pathology	<a href="#">Vitamins Serum</a>
Vitamin B6	Chemical Pathology	<a href="#">Vitamins Whole Blood</a>
Vitamin C	Chemical Pathology	<a href="#">Vitamin C</a>
Vitamin D3	Chemical Pathology	<a href="#">Endocrine</a>
Vitamin D3	Chemical Pathology	<a href="#">Liquid Serum Chemistry</a>
Vitamin E	Chemical Pathology	<a href="#">Vitamins Serum</a>
Von Hippel Lindau Syndrome	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
von Willebrand Factor	Haematology	<a href="#">Special Haemostasis: Module C</a>
VRE screen	Microbiology	<a href="#">VRE Screen Module</a>
WBC Differential (Instrument specific material)	Haematology	<a href="#">Automated Differential: Various modules</a>
WCC	Haematology	<a href="#">CD34</a>
Weak RhD Testing Only	Transfusion	<a href="#">Transfusion Competency Program</a>
Wheat Grain Specific IgE	Immunology	<a href="#">Food Allergy</a>
White Blood Cells	Haematology	<a href="#">Full Blood Count</a>
Wilson Disease	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Wound culture/identification	Microbiology	<a href="#">Bacteriology, Genital-Anaerobe</a>
Xanthochromia Screen - Bilirubin	Chemical Pathology	<a href="#">CSF Chemistry</a>
Xanthochromia Screen - Haemoglobin	Chemical Pathology	<a href="#">CSF Chemistry</a>
Y-chromosome microdeletions	Molecular Genetics	<a href="#">EMQN: Disease Specific</a>
Yeast identification, antibiotic susceptibility	Microbiology	<a href="#">Mycology</a>
Zinc	Chemical Pathology	<a href="#">Trace Elements Serum</a>
Zinc	Chemical Pathology	<a href="#">Trace Elements Urine</a>
Zinc	Chemical Pathology	<a href="#">Trace Elements Whole Blood</a>



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