

LABQUALITY

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Service information

Labquality EQAS

Labquality EQAS is provided by an independent Finnish external quality assessment provider with over 50 years of experience in helping clinical laboratories and POCT sites develop and maintain their performance. Labquality EQAS schemes are internationally recognised high-quality programs. The EQA programs have a clinical scope with an educational touch. Part of the EQA production is outsourced to expert laboratories and national partners.

Integrated EQA service (EQA3)

We are the first EQA provider to integrate pre-analytical, analytical, and post-analytical phases into its EQA programs. Advanced and traditional EQA schemes have been designed to fully support the total quality management system of the participating laboratories and fulfil ISO 15189 requirements concerning the extra-analytical phases. In addition to the samples, the integrated schemes include pre- and/or post-analytical questionnaires concerning the scope of the scheme.

Quality management

Our management system is certified according to ISO 9001 (sbcert), and the main EQA schemes are accredited according to ISO 17043 (FINAS, PT02, ISO 17043:2010). The scope of accreditation is available on the <u>FINAS website</u> and the accreditation status of the EQA schemes is available on <u>our website</u> in the product search. The list of accredited schemes will be provided upon request.

EQA service availability

We have customers in over 60 countries in Europe, Asia, America and North Africa. The service is localised by 40 national partners. All digital schemes, including pre-analytical and diagnostic schemes for anatomic pathology, are available globally. With only a few exceptions, all schemes are globally available through national partners. For direct customers, the program selection is limited to the schemes with stable and non-hazardous sample materials.

Enrolment and prices

We offer annual programmes and pricing. Participants shall place their orders for the following year before the end of November to ensure participation in all needed EQA rounds. Enrolment is possible during the calendar year, but only part of the EQA rounds may be available. To place an order, please contact our national partner in your country or our customer service at **info@labquality.com**.

Distributions

Our specimen logistics system is accepted and continuously audited as part of accreditation according to the ISO 17043 (PT02/FINAS) standard. Specimens are shipped according to the annual schedule. We retain the right to make changes to the schedule.

LabScala EQA portal

Partners and participants can handle the whole EQA process, from orders to reports, through a modern webbased software, LabScala. The EQA process is designed to complement the laboratory process, from pre-analytics to post-analytics. Easy availability and a user-friendly interface guarantee an advanced experience.

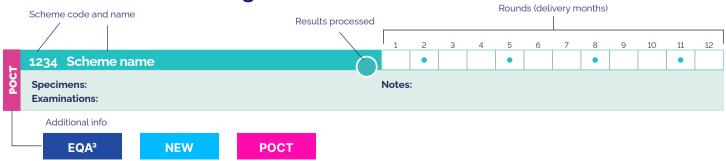
Certificate

A certificate of participation will be provided upon request at the end of the calendar year. The certificate refers to EQA reports to evaluate the performance of the participant.

Customer service

Please contact our international partners (listed on our website: www.aurevia.com) or customer service: info@labquality.com.

How to use the catalogue



Results processed: The number shows how many results from different analysers or tests within the same laboratory are allowed depending on scheme, when the sample volume is sufficient.

Updates for 2026

New schemes and products

2708 Human Erythropoietin and Thrombopoietin

2709 Phosphatidyl ethanol in blood (PEth)

2755 Biochemical indicators of vitamin B12 deficiency (HoloTC, MMA, Homocysteine)

2756 Immunosuppressants 5043 Gram stain, vaginal fluid

5241 Bordetella pertussis/parapertussis, nucleic acid detection

5305 Bacterial vaginosis and vaginitis multiplex, nucleic acid detection

5688 West Nile virus, antibodies

5689 HCV RNA from capillary blood, POCT 6800 HPV-related head and neck cancer control

Changes in distribution schedule

2510-2511,

2516-2517 Alcohol determinations (4 rounds/year)

2754 Faecal elastase (4 rounds/year)
2280 Procalcitonin (4 rounds/year)

3170 Urine bacterial screening with automated analysers (4 rounds/year)

Discontinued schemes and products

4156 Reticulocyte count, Mindray

White blood cell differential count: HemoCue, POCT
Leucocyte differential count, 5-part, automated: Cell-Dyn
Leucocyte differential count, 5-part, automated: Mythic
Parasites in blood, Giemsa stain, virtual microscopy
Parasites in blood, MGG stain, virtual microscopy

5593 Streptococcus pyogenes (Group A), nucleic acid detection in pharyngeal sample

Zika virus, antibodiesSARS-CoV-2, antibodies

Changes in scope, specimens or parameters

Faecal bacterial pathogens multiplex, nucleic acid detection. Examinations: Clostridioides difficile added.

5254 Mycoplasma genitalium, drug resistance, nucleic acid detection. Examinations: A fluoroquinolone

(moxifloxacin) resistant sample will be included in some rounds.

5473 Trichomonas vaginalis, detection. Specimens: 2 simulated samples.

5595 Streptococcus pyogenes (Group A), detection in pharyngeal sample. Examinations: Strep A NAT added.

5620 Chlamydia pneumoniae, antibodies. Specimens: 2 samples/round.

2026 Planned pilot schemes

Pilot studies are EQA schemes under development. Information about pilot studies and schedules are updated on our website: https://www.aurevia.com/eqas/new-schemes/

Clinical chemistry

The clinical chemistry portfolio covers areas of allergology, basic chemistry, cardiac markers, diabetes analysis, endocrinology, special chemistry, specific proteins, tumour markers and urine analysis. For routine chemistry needs, schemes with both one and two level samples enabling assessment of more than 50 analytes are available. A wide selection of schemes specifically tailored for POCT devices are also available, including e.g. those for drug abuse screening, glucose meters and troponin detection.

Clinical chemistry » Allergology

2675 Allergen component (UK NEQAS) Specimens: 2 liquid human serum samples for allergen component Notes: Organised in co-operation with UK NEQAS. Participation in all rounds is required. Register orders before the end of October. Limited Examinations: Allergen component test which covers recombinant allergens as well as the ISAC system. 10 2681 Allergy in vitro diagnostics (SKML) Specimens: 3 liquid human serum samples for specific IgEs with 3 **Notes:** Organised in co-operation with SKML. Participation in all rounds allergens, 2 mixes and total IgE in each and some allergen components, is required. Register orders before the end of October. All samples are distributed in February. Examinations: Total IgE, specific IgEs, allergen mixes and allergen components. Allergy in vitro diagnostics (UK NEQAS & Labquality) Specimens: 2 liquid human serum samples for specific IqEs with 4 Notes: Organised in cooperation with UK NEQAS. Participation in all allergens in each specimen, 0.5 mL each and 1 serum specimen for total rounds is required. Register orders before the end of October. Limited IgE, 0.5 mL availability. Examinations: Total IgE and specific IgEs. 2680 Eosinophil cationic protein Specimens: 1 lyophilised human serum sample, 0.3 mL. Notes: Results are processed in connection with total IgE results of scheme 2670 **Examinations: FCP** 2685 Tryptase (UK NEQAS) Specimens: 2 liquid human serum samples. Notes: Organised in co-operation with UK NEQAS. Participation in all rounds is required. Register orders before the end of October. Limited Examinations: Tryptase.

Clinical chemistry » Basic chemistry

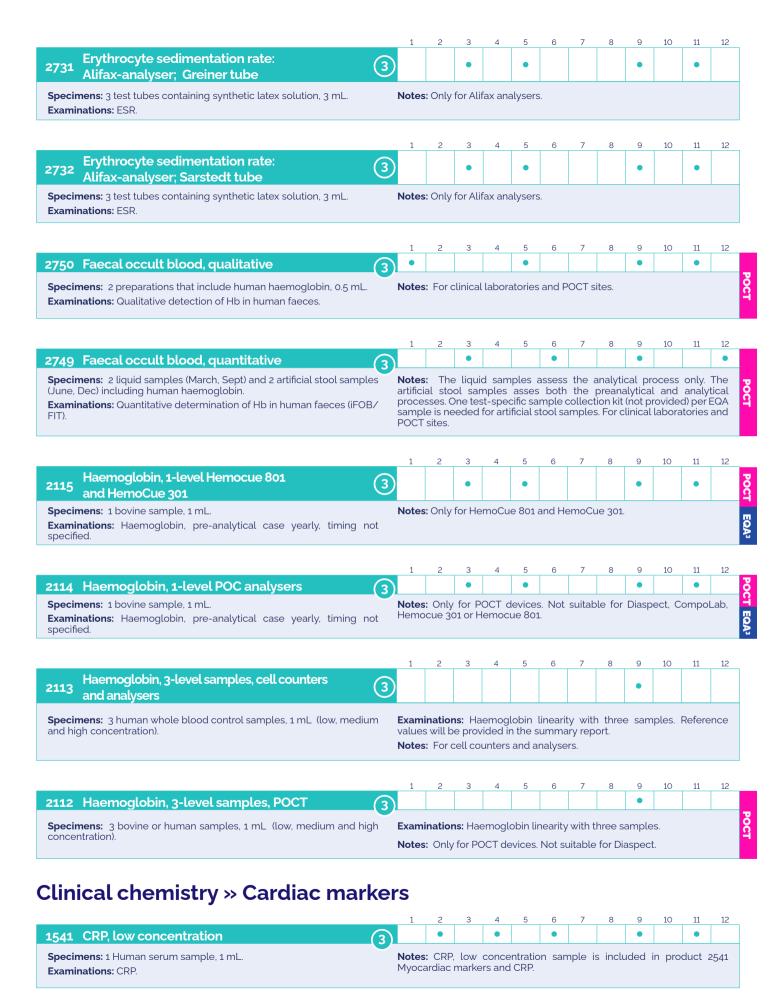
2100 Basic chemistry, POCT analysers

availability.

Specimens: 2 human serum samples, 1 mL.

Examinations: Alanine aminotransferase, albumin, alkaline phosphatase, amylase (total and pancreatic), aspartate aminotransferase, calcium, chloride, HDL cholesterol, cholesterol, creatinekinase, creatinine, gamma glutamyltransferase, glucose, lactate dehydrogenase, magnesium, phosphorus, potassium, sodium, total protein, triglycerides, urea, uric Notes: For clinical laboratories and POCT sites. Only for dry chemistry analysers. If you are not sure whether your device is a POCT meter or an analyser, please contact our customer service.

2730 Erythrocyte sedimentation rate Specimens: 1 artificial blood cell suspension, ~ 4 mL. Notes: Not suitable for Algor iSed and Mindray. **Examinations: ESR**



	1	2	3	4	5	6	7	8	9	10	11	12
2540 Myocardial markers	3)	•		•		•			•		•	
Specimens: 2 Human serum samples, 1 mL. Examinations: CK-MB mass, myoglobin, quantitative troponin quantitative troponin T. Not for CKMB activity!	Note	T, det	ection	al labor for PO analys	CT. If y	ou are	e not s	sure w	hethe	er your	device	
	1	2	3	4	5	6	7	8	9	10	11	12
2541 Myocardial markers and CRP, low concentration Specimens: 2 Human serum samples for myocardial markers, 1 mL anone for CRP, 1 mL. Examinations: CK-MB mass, myoglobin, quantitative troponin quantitative troponin T and CRP, low concentration. Not for CKMB activity	d Note I and POC	T, dete	ection	al labor for PO analys	CT. If y	ou are	e not s	sure w	hethe	er your	device	
	1	2	3	4	5	6	7	8	9	10	11	1
2690 Natriuretic peptides 1, B-type, NT-ProBNP	3 L	a. Cuite	, b oth	clinica	Llaban	rataria	o and	DOC	C sites	Also	o, vito la l	o fo
Specimens: 2 liquid samples, 3 mL. Examinations: NT-ProBNP.				ader ar				POC	sites	. ALSO	sullabl	9 10
account to the purpose	1	2	3	4	5	6	7	8	9	10	11	1
2691 Natriuretic peptides 2, B-type, BNP Specimens: 2 liquid samples, 3 mL. Examinations: BNP.	Note	s: For a	clinical	labora	tories	and P		sites.		•		
	1	2	3	1	5	6	7	8	9	10	11	
2530 Troponin I and troponin T, detection, POCT	3	•	3	•	J	•	,		•	10	•	
Specimens: 2 fresh human serum samples or 2 liquid human samples 1 ml. Examinations: Detection of troponin I and troponin T.	only	for PO device	CT, sch	and qu eme 2 OCT me	540 is	for an	alyser	rs. If yo	ou are	not su	ire whe	ethe
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Clinical chemistry » Endocrinology

2300, Hormones A: Basic analytes of hormone and 2300s immunochemistry Specimens: 2 human serum samples with differing concentrations, 3 mL **Notes:** 2300S is a limited version of the scheme available for laboratories performing testing of 1-5 analytes. For additional set of samples, order each. Liquid serum sample (one level) included in Apr and Oct rounds. Pre- and/or post-analytical cases in part of the rounds. scheme 1300. Product 2300S does not include reporting from multiple Examinations: Ferritin, folate, hCG (total, intact), T3, free T3, T4, free analysers or methods. T4, TSH, vitamin B12, active vitamin B-12, pre- and/or post-analytical indicators. Hormones A, extra set of samples Specimens: 2 human serum samples, 3 mL Notes: Only in connection with scheme 2300. Hormones B: Steroid and peptide hormones Specimens: 2 human serum samples with differing concentrations, 3 mL Notes: Reference values for 1 analyte in liquid serum will be provided. Liquid serum sample (one level) included in Apr, Aug and Dec rounds. 2301S is a limited version of the scheme available for laboratories Pre- and/or postanalytical cases in part of the rounds performing testing of 1-5 analytes. For additional set of samples, order scheme 1301. Product 2301S does not include reporting from multiple Examinations: Androstenedione, aldosterone, C-peptide, cortisol, analysers or methods. DHEAS, estradiol, FSH, gastrin, growth hormone, IGF-1, insulin, LH, progesterone, 17-OH-progesterone, prolactin, SHBG, testosterone, free testosterone, TBG, pre- and/or post-analytical indicators. Hormones B, extra set of samples • Specimens: 2 human serum samples, 3 mL Notes: Only in connection with scheme 2301. 2250 Parathyroid hormone Specimens: 2 lyophilised human serum samples, 3 mL Examinations: PTH, intact 2704 ACTH and cortisol Specimens: 2 lyophilised human serum samples, 3 mL Examinations: Adrenocorticotropic hormone (ACTH) and Cortisol. 2706 Salivary Cortisol Specimens: 2 liquid or lyophilised simulated salivary samples. Examinations: Salivary cortisol **Human Erythropoietin and Thrombopoietin** 3 Specimens: 2 lyophilised human serum samples, 1 mL. Examinations: Erythropoietin and thrombopoietin. 2756 Immunosuppressants Specimens: 2 lyophilised human whole blood samples, 2 mL. Examinations: Ciclosporin, tacrolimus, sirolimus, everolimus.

Clinical chemistry » General clinical chemistry, known concentration

1031 DayTrol, human serum

Specimens: 1 lyophilised human serum sample, 5 mL

Examinations: Alanine aminotransferase, albumin, alkaline phosphatase, amylase, aspartate aminotransferase, bilirubin, calcium, chloride, cholesterol, cholesterol HDL, creatine phosphokinase, creatinine, gamma-glutamyltransferase, glucose, iron, lactate, lactate dehydrogenase, lithium, magnesium, osmolality, phosphorus, potassium, protein, sodium, thyreotropin, thyroxine, thyroxine free, transferrin, transferrin receptor, triglycerides, urea, uric acid.

Notes: The same sample is analysed on a daily or a weekly basis. Monthly averages and CV%s are compared with other participants. Minimum order quantity of 10 bottles per year. Monthly reporting is included.

Clinical chemistry » General clinical chemistry, unknown concentration

3

3

1072, General clinical chemistry, 1-level sample 1072S (Serum A)

Specimens: Lyophilised serum sample, 3 - 5 mL, samples are selected to cover a wide concentration range.

Examinations: Alanine aminotransferase, albumin, alkaline phosphatase, alpha-1-antitrypsin, alpha-1-glykoprotein, amylase, amylase (pancreatic), aspartate aminotransferase, bilirubin, calcium, calcium (ionized, actual), calcium (ionized, pH 7.4), chloride, cholesterol, cholesterol HDL, cholesterol LDL, cortisol, creatine phosphokinase, creatinine, ferritin, gamma-glutamyltransferase, glucose, haptoglobin, IgA, IgE, IgG, IgM, iron, lactate, lactate dehydrogenase, lithium, magnesium, orosomucoid, osmolality, phosphorus, potassium, protein, selenium, sodium, thyreotropin, thyroxine, thyroxine free, TIBC, transferrin, transferrin receptor, triglycerides, urea, uric acid.

Notes: Samples for multiple rounds shipped simultaneously. Monthly processing of results included. 1072S is a limited version of the scheme available for laboratories performing testing of 1–5 analytes. Product 1072S does not include reporting from multiple analysers or methods.

General clinical chemistry, 2-level sera (serum B and C)

 $\begin{tabular}{l} \textbf{Specimens:} 2 \ liquid \ human \ serum \ samples \ covering \ a \ wide \ concentration \ range, 3-5 \ mL. \end{tabular}$

Examinations: Alanine aminotransferase, albumin, alfa-1-antitrypcine, alfa-1-glycoprotein, alkaline phosphatase, amylase, pancreas amylase, aspartate aminotransferase, bilirubin, ferritin, phosphate, glucose, glutamyltransferase, haptoglobin, IgA, IgE, IgG, IgM, potassium, calcium, ionized calcium, ionized calcium pH corrected (7.4), chloride, cholesterol, HDL cholesterol, LDL cholesterol, cortisol, creatine kinase, creatinine, copper, lactate, lactate dehydrogenase, lipase, lithium, magnesium, sodium, osmolality, protein, iron binding capacity, iron, selenium, zinc, transferrin, transferrin receptor, triglycerides, tri-iodio-thyronine, thyrotropin, tyroxine, free tyroxine, urea, uric acid.

Notes: Comparison of two different concentration ranges simultaneously. Reference method values available occasionally for some of the analytes.

Clinical chemistry » Special chemistry

2610 Acid-base status and electrolytes

Specimens: 3 buffered artificial samples, 2.5 mL.

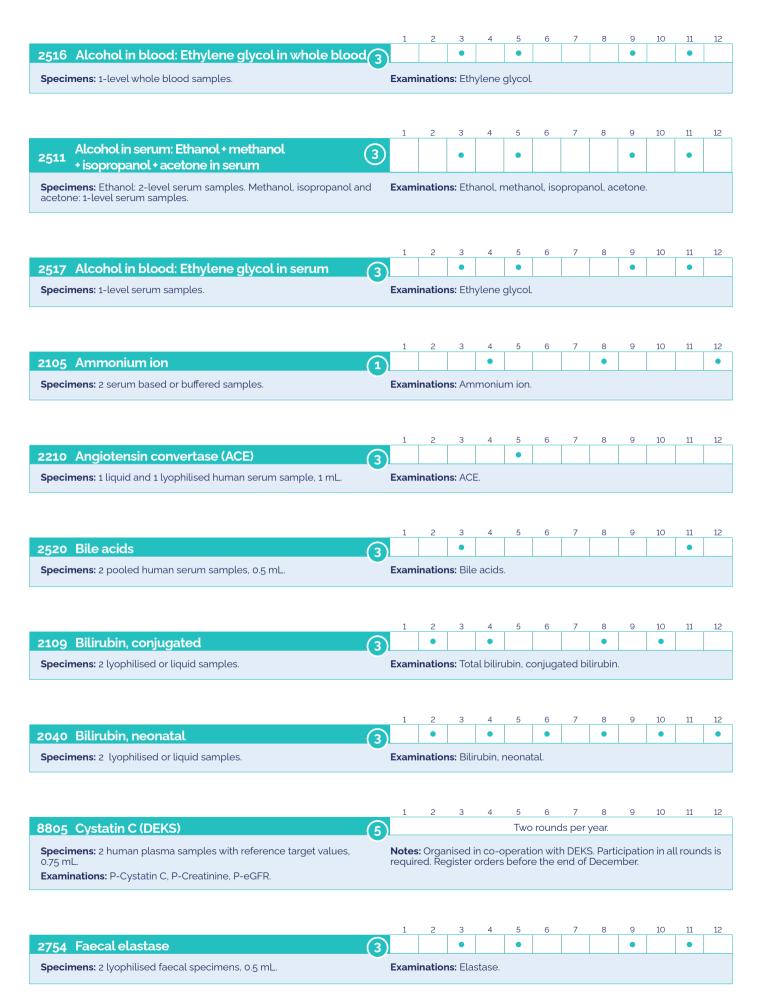
Examinations: Chloride, creatinine, glucose, ionized calcium, lactate, pCO2, pH, pO2, potassium, sodium, urea, base excess, HCO3.

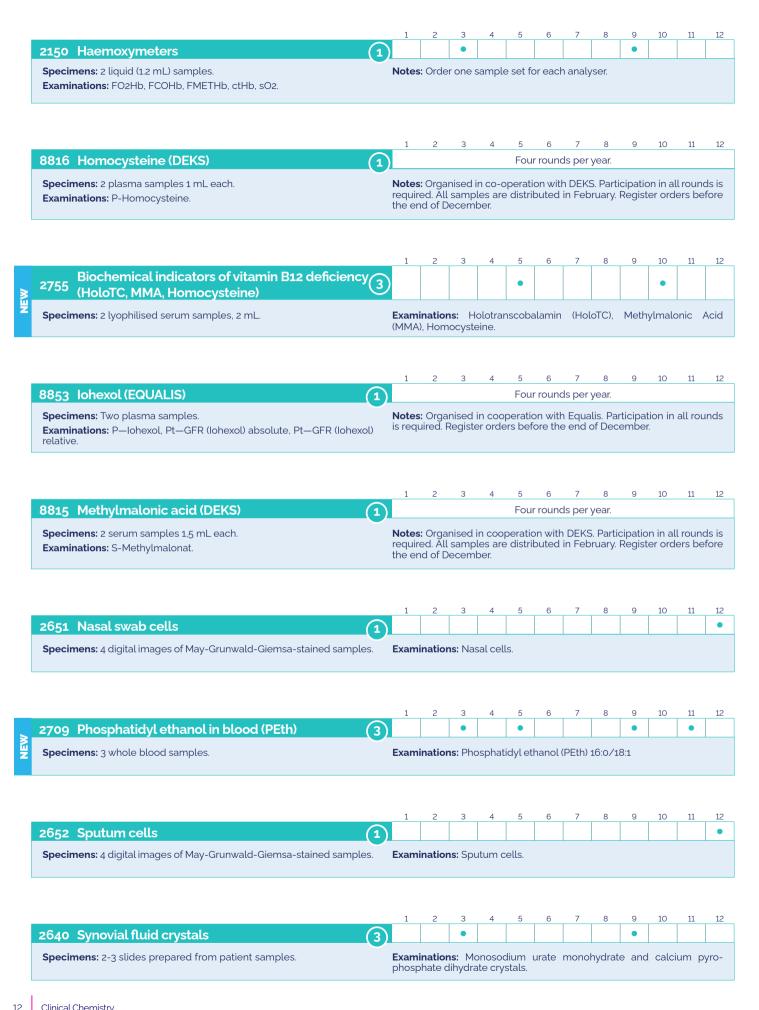
Notes: Order one sample set for each analyser. For clinical laboratories and POCT sites

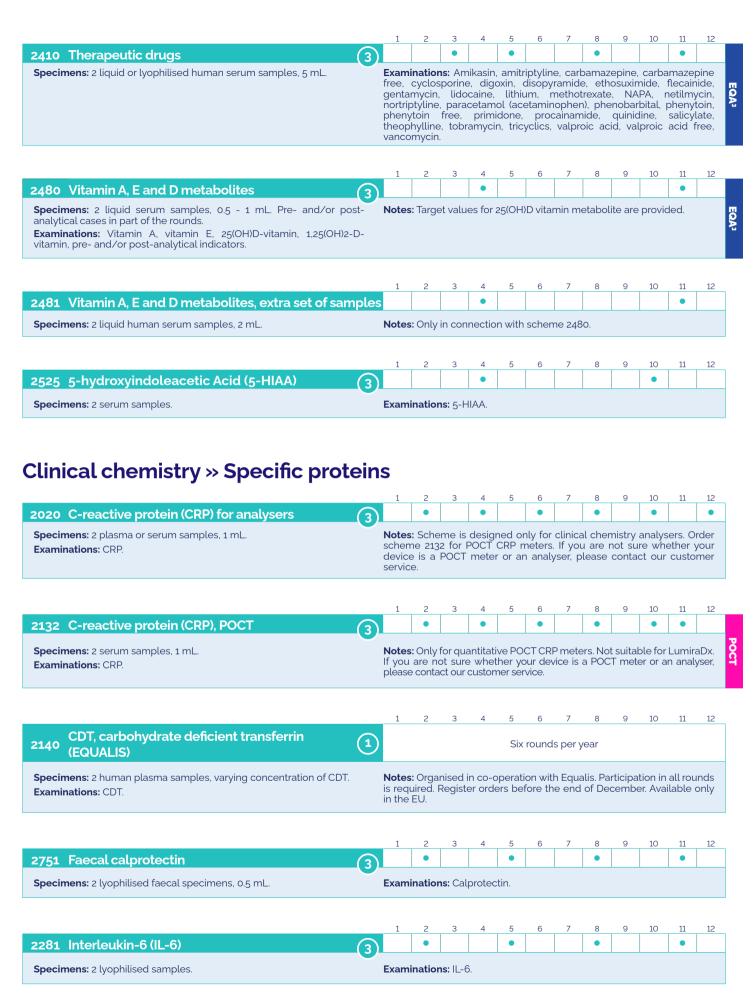
2510 Alcohol in blood: Ethanol + methanol + isopropanol (

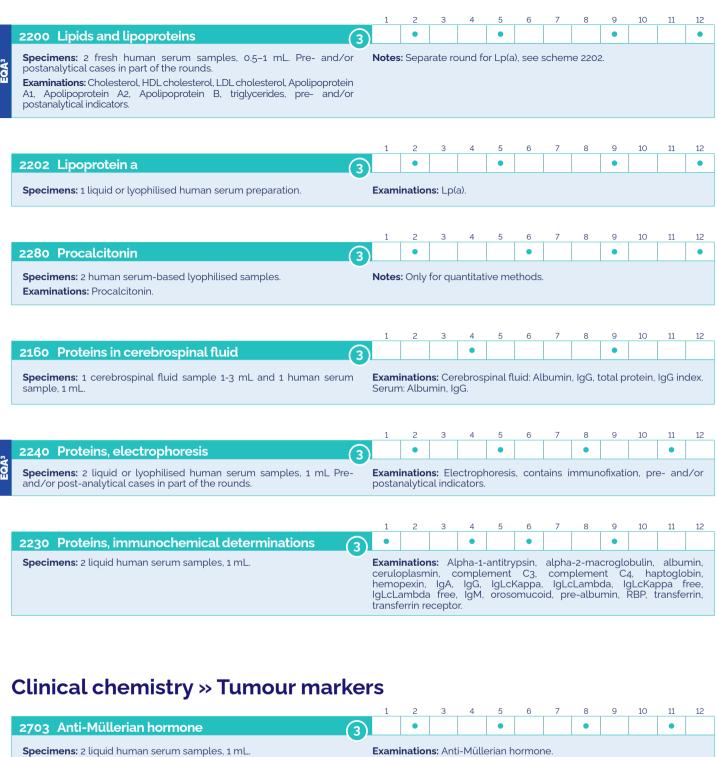
Specimens: Ethanol: 2-level whole blood samples. Methanol and isopropanol: 1-level whole blood samples.

Examinations: Ethanol, methanol, isopropanol.







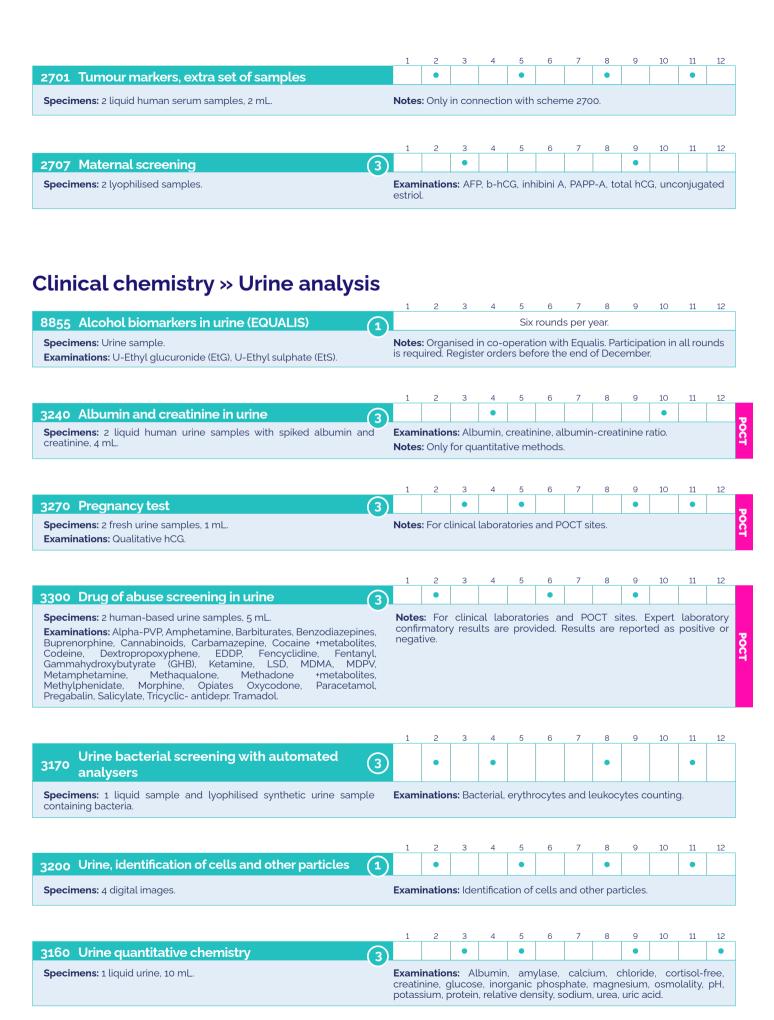


2703 Anti-Müllerian hormone Specimens: 2 liquid human serum samples, 1 mL. Examinations: Anti-Müllerian hormone. 1 2 3 4 5 6 7 8 9 10 11 12 Examinations: Anti-Müllerian hormone. 2226 Prostate specific antigen Specimens: 2 serum samples, 1 mL. Examinations: PSA, complexed PSA, free PSA, free/total PSA ratio. 1 2 3 4 5 6 7 8 9 10 11 12 Examinations: PSA, complexed PSA, free PSA, free/total PSA ratio.

Specimens: 2 liquid human serum samples, 2 mL.

Examinations: AFP, CA 125, CA 153, CA 199, CEA, ferritin, hCG (total, intact, beta-subunit), PSA, PSA free, PSA free/total index, TG, TG antibodies, beta-2-microglobulin, NSE, HE4.

Notes: 2700S is a limited version of the scheme available for laboratories performing testing of 1–5 analytes. Product 2700S does not include reporting from multiple analysers or methods.



Noklus Patient Median (NOPAM)

From 1 June, 2024, Noklus started the operation of NOPAM, a more user-friendly and improved version of the "percentile and flagger" program. Participants previously enrolled in the "percentile and flagger" program were automatically transferred to NOPAM. From the same date, new participants were able to register.

What is NOPAM?

NOPAM is a program for internal and external quality assessment based on patient results, offered by Noklus to medical laboratories worldwide. Laboratories participating in the program regularly send a standardized report containing the patient median and percentage of patient results above and below the laboratory's own reference limits. The report also includes the number of results used to calculate the various parameters. Results are calculated per instrument. Preferably, data is calculated from patient results for the out-patient population. It is possible to participate only with patient medians. Upon initial registration and whenever changes occur, the following information is recorded: contact information for the laboratory, country, patient population, sample material, sampling conditions, methods, instrument information (supplier, model, and type) and factors for factorization of analytes. The reagent lot number can either be included in the results report or entered manually by the laboratory. If the lot number is registered manually, it is sufficient to register when the lot changes.

How to use the results?

NOPAM can be a valuable tool to monitor analytical quality. The program can reveal important differences between different instrument types and methods, as well as monitor the progress of harmonization and standardization efforts. Participants can compare their own results with other comparable groups and compare different method groups. They can also compare their own results for all their own instruments, in case a bias is introduced, the laboratories monitor how the proportion of results above and below reference limits shifts. Results are presented in box plots or as a trend line with time on the x-axis.

What do you have to do to participate in NOPAM?

Laboratories that wish to participate must contact Noklus, who will send a protocol describing how results are reported.

Eva Rønneseth

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Analytes included in the program

25-Hydroxyvitamin D **CRP** Albumin Ferritin **ALP** Folate (B9) ALT FT₄ **AST GGT** Bilirubin (total) Glucose BUN Hb Ca HbA1c Cholesterol HDL-cholesterol

IgA IgG

Creatinine

IgM K LDL-cholesterol LDH MCV Mg Na

Phosphate PLT

Protein (total) PSA TSH Urea Uric acid Vitamin B12 WBC

Triglycerides

PTH RBC

Haematology

The haematology selection consists of schemes for blood transfusion serology, cell count and morphology as well as coagulation tests. Specialties include the Erythrocyte sedimentation rate for Alifax as well as the White blood cell count and INR schemes for POCT. Units performing blood transfusions find EQA schemes for hepatitis B and C, HIV as well as other infectious diseases under the microbiology portfolio. Schemes related to blood parasites can be found under the parasites chapter.

Haematology » Blood transfusion serological tests 1 2 3 4 5 6 7 8 9 10 11 12 4420 ABO and Rh grouping Specimens: 2 whole blood samples, 4 mL. Examinations: ABO & Rh reaction strengths and interpretation. Notes: There is possibility to insert results for full ABO RhD group, confirmation group without using the plasma and a group for a newborn. Antibody screening and compatibility testing (Requires ordering of product 4420) Specimens: 2 whole blood samples (4 mL) and 4 red blood cell suspensions (3 mL). Examinations: Reaction strengths and interpretation. Examinations: Reaction strengths and interpretation. Examinations: Reaction strengths and interpretation. Examinations: Reaction strengths and interpretation.

(3)

8852 Titration of erythrocyte antibodies (EQUALIS)

Column agglutination methods: grading

Specimens: 3-5 cases and digital images (DiaMed and Grifols cards).

Examinations: Interpretation of the cases and reaction strengths of the

of reactions and patient cases

Notes: Post-analytical scheme.

One round per year.

Specimens: The test material is plasma for titration against included and own test erythrocytes.

Examinations: Titration 1. Ref.erythrocyte + ref.method, titration 2. Own testery. + ref. method, titration 3. Ref.erythrocyte + own method, titration 4. Own testery. + own method.

Notes: Organised in co-operation with Equalis. Participation in all rounds is required. Register orders before the end of December.

8851 Titration of ABO antibodies (EQUALIS)

One round per year.

 $\mbox{\bf Specimens:}$ The test material is plasma for titration against included test erythrocytes.

Examinations: Anti-A (titer), Anti-B (titer).

Notes: Organised in co-operation with Equalis. Participation in all rounds is required. Register orders before the end of December.

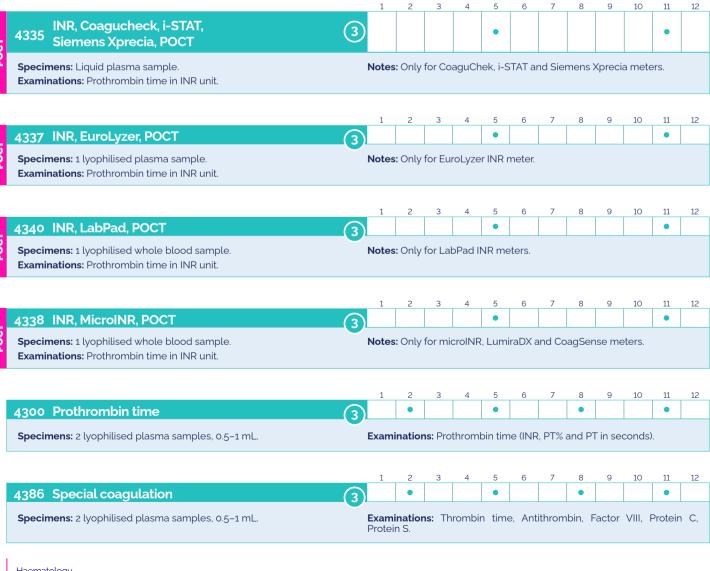
digital images.

Haematology » Cell count and cell morphology

Examinations: Leucocytes.

4100 Basic blood count, 1-level sample Specimens: 1 blood cell suspension, 3 mL. Notes: Not suitable for PixCell Medical HemoScreen analyser. Examinations: Hb. HCT. MCH. MCHC. MCV. PLT. RBC. RDW (red cell distribution width), WBC, cumulative patient means of MCH, MCHC, MCV. 4110 Basic blood count, 2-level samples • 3 Specimens: 2 blood cell suspensions, 3 mL. Notes: Not suitable for PixCell Medical HemoScreen analyser. Examinations: Hb, HCT, MCH, MCHC, MCV, PLT, RBC, RDW (red cell distribution width), WBC, cumulative patient means of MCH, MCHC, MCV. 10 Leucocyte differential count and evaluation of 3 4180 blood cell morphology Specimens: 2-3 patient cases as virtual slide images. **Examinations:** Leucocyte differential count and evaluation of red blood 4200, Leucocyte differential count, 3-part, 3 4201 automated Analyser specific product codes: Specimens: 1 blood cell suspension, 2-4 mL. 4200: ABX, Advia, Cell-Dyn, Coulter, Medonic, Mindray, Nihon Kohden **Examinations:** Absolute numbers of leucocytes, lymphocytes, mononuclear cells and granulocytes. 4201: Sysmex 4230- Leucocyte differential count, 5-part, 4240 automated Analyser specific product codes: Specimens: 1 blood cell suspension, 2-4 mL. 4230: Siemens Advia 4232: Coulter Examinations: Leucocytes, basophils, eosinophils, granulocytes, 4233: Sysmex XE, XS, XT, XN 4234: ABX Pentra, Yumizen lymphocytes and monocytes. 4236: Mindray 4237: Nihon Kohden Celltac MEK Notes: More information about the suitability of the product for your 4240: Coulter DxH 500 series device from the EQA Coordinator. 10 12 (3) Reticulocyte count, automated Analyser specific product codes: Specimens: 2 stabilised red blood cell suspensions, 2-4 mL. 4150: Siemens Advia, Beckman Coulter Examinations: Reticulocyte count, absolute values. 4153: Sysmex Notes: More information about the suitability of the product for your 4154: ABX Pentra device from the EQA Coordinator. 4140 Reticulocyte count, manual methods Examinations: Reticulocyte count. Specimens: 1 stabilized red blood cell suspension, 2 mL. 4130 White blood cell count: HemoCue, POCT Specimens: 1 blood cell suspension, 2 mL. Notes: The scheme is for HemoCue WBC Systems

Haematology » Coagulation Activated partial thromboplastin time, INR (3 4330 and fibrinogen Examinations: APTT, fibrinogen and Prothrombin time (INR, PT% and PT Specimens: 2 lyophilised plasma samples, 0.5-1 mL. 4387 Anticoagulants: LMW-Heparin/antiFXa Specimens: 2 lyophilised plasma samples, 0.5-1 mL. Examinations: LMW-heparin/antiFXA 4388 D-dimer Specimens: 2 plasma samples, 0.5 mL. Notes: For clinical laboratories and POCT sites Examinations: D-Dimer. 4389 D-dimer, extra set of samples Specimens: 2 plasma samples, 0.5 mL. Notes: Only in connection with scheme 4388. Examinations: D-Dimer. INR, Coagucheck, i-STAT, 4335 Siemens Xprecia, POCT Specimens: Liquid plasma sample. Notes: Only for CoaguChek, i-STAT and Siemens Xprecia meters. Examinations: Prothrombin time in INR unit. 11 4337 INR, EuroLyzer, POCT Specimens: 1 lyophilised plasma sample. Notes: Only for EuroLyzer INR meter. **Examinations:** Prothrombin time in INR unit. 11 4340 INR, LabPad, POCT Specimens: 1 lyophilised whole blood sample. Notes: Only for LabPad INR meters. **Examinations:** Prothrombin time in INR unit 4338 INR, MicroINR, POCT Specimens: 1 lyophilised whole blood sample. Notes: Only for microINR, LumiraDX and CoagSense meters. Examinations: Prothrombin time in INR unit.



EQA schemes for blood banks

Blood transfusion serology

4420	ABO and Rh grouping									
4460	Antibody screening and compatibility testing									
4440	Antiglobulin test, direct									
4480	Column agglutination methods: grading of reactions and patient cases									

Bacterial serology

5880 Syphilis serology

Bacteriology

5100	Blood culture
5101	Blood culture, screening

Virology, serological tests

5650	Cytomegalovirus, antibodies
5092	Hepatitis A, antibodies
5093	Hepatitis B, s-antigen antibodies, quantitative
5094-5096	Hepatitis B and C, serology
5091	HIV, antibodies and antigen detection
5089	Human T-cell lymphotropic virus, antibodies
5660	Parvovirus B19, antibodies

Virology, molecular tests

5679	Hepatitis B virus, nucleic acid detection (DNA)
5678	Hepatitis C virus, nucleic acid detection (RNA)
5680	HIV-1, nucleic acid detection (RNA)

EQA services for POCT sites

Patient outcome is associated with obtaining a reliable test result regardless of where the testing is performed. To ensure high quality of care and patient safety, it is imperative that point-of-care testing (POCT) is subjected to the same quality requirements as conventional laboratory analyses.

We offer a range of EQA schemes suitable for POCT sites. These services are intended for all testing units including home/community nursing, hospital wards, pediatric clinics, surgical units, occupational healthcare, outpatient clinics and medical centers.

Clinical chemistry

2610	Acid-base status and electrolytes
3240	Albumin and creatinine in urine
2100	Basic chemistry, POCT analysers
2132	C-reactive protein (CRP), POCT
3300	Drug of abuse screening in urine
2750	Faecal occult blood, qualitative
2749	Faecal occult blood, quantitative
2570, 2580, 2590	Glucose meters
1263	Haemoglobin A1c, liquid samples, POCT
2114	Haemoglobin, 1-level, POCT
2115	Haemoglobin, 1-level HemoCue 801 and HemoCue 301
2112	Haemoglobin, 3-level samples, POCT
2526	Ketones (beta-hydroxybutyrate), POCT
2690	Natriuretic peptides 1, B-type, NT-ProBNP
2691	Natriuretic peptides 2, B-type, BNP
3270	Pregnancy test
2530	Troponin I and Troponin T, detection, POCT
3100	Urine strip test A

Haematology

4388	D-Dimer
4335	INR, CoaguChek, i-STAT and Siemens Xprecia, POCT
4337	INR, EuroLyzer, POCT
4340	INR LAbPad, POCT
4338	INR, MicroINR, LumiraDX and CoagSense, POCT
5430	Malaria, antigen and nucleic acid detection
4130	White blood cell count: HemoCue, POCT

Microbiology

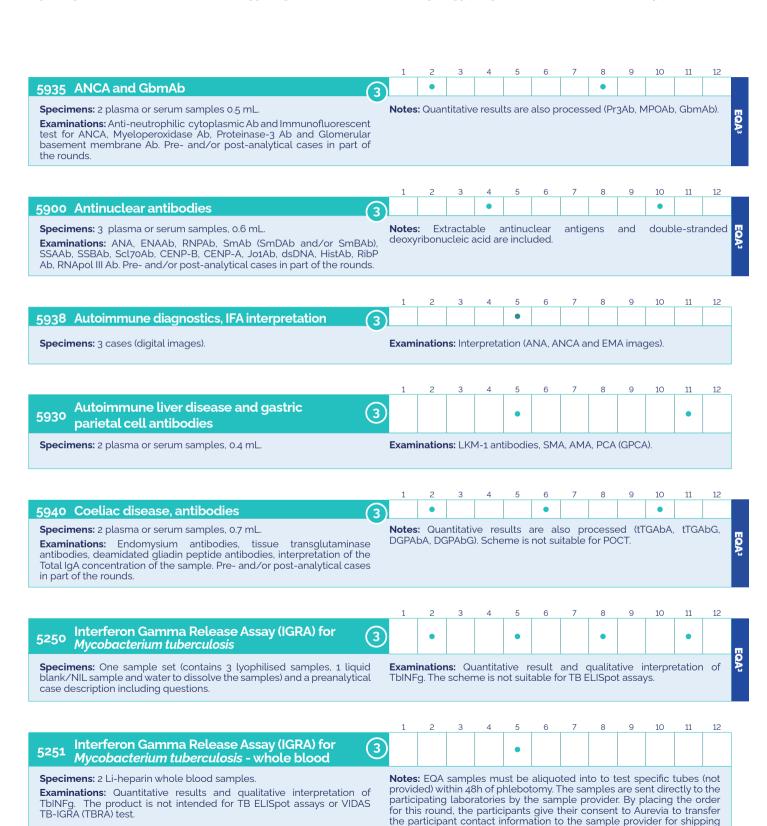
5635	Dengue virus, antibodies and antigen detection
5640	EBV mononucleosis, POCT
5689	HCV RNA from capillary blood, POCT
5860	Helicobacter pylori, antibodies
5596	Helicobacter pylori, antigen detection in faeces
5090	HIV, antibodies and antigen detection, POCT
5687	HBsAg and HCVAb POCT
5671	Influenza virus A+B, antigen detection
5597	Legionella, antigen detection in urine
5430	Malaria, antigen and nucleic acid detection
5980	<i>Mycoplasma pneumoniae</i> , antibodies
5686	Norovirus, antigen detection
5560	Puumala virus, antibodies
5673	Respiratory adenovirus, antigen detection
5098	Rotavirus and adenovirus, antigen detection
5672	RS virus, antigen detection
5681	SARS-CoV-2 antigen detection
5676	SARS-CoV-2 nucleic acid detection
5595	Streptococcus pyogenes (Group A), detection in pharyngeal sample
5599	Streptococcus agalactiae (GBS), nucleic acid detection
5598	Streptococcus pneumoniae, antigen detection in urine
5099	Tick-borne encephalitis virus, antibodies
5473	Trichomonas vaginalis, detection

Preanalytics

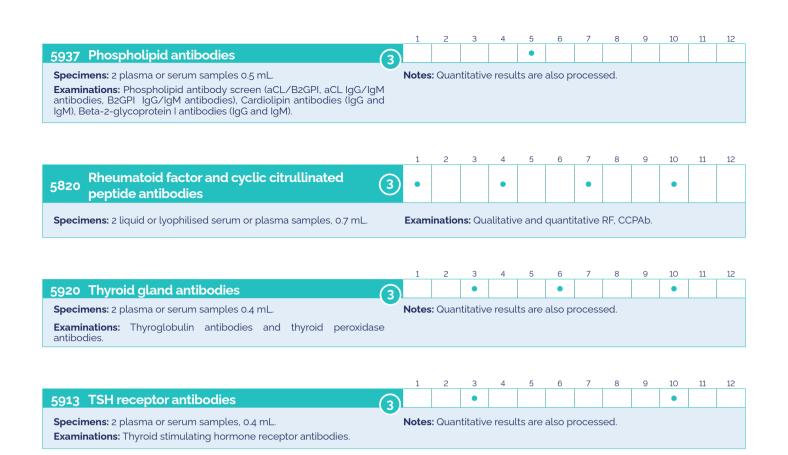
7801	Preanalytics, urine and blood sample collection
7804	Preanalytics, POCT in chemistry

Immunology

This program includes schemes for immunodiagnostic tests such as those for coeliac disease, rheumatoid factor and thyroid gland autoantibodies. For allergy diagnostics, review the allergology program in the clinical chemistry portfolio.



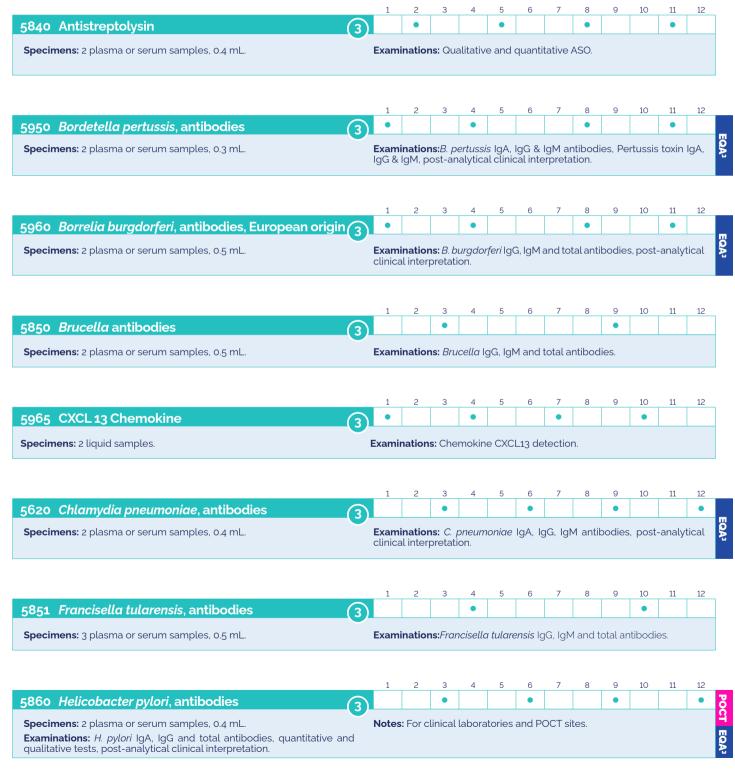
purposes.

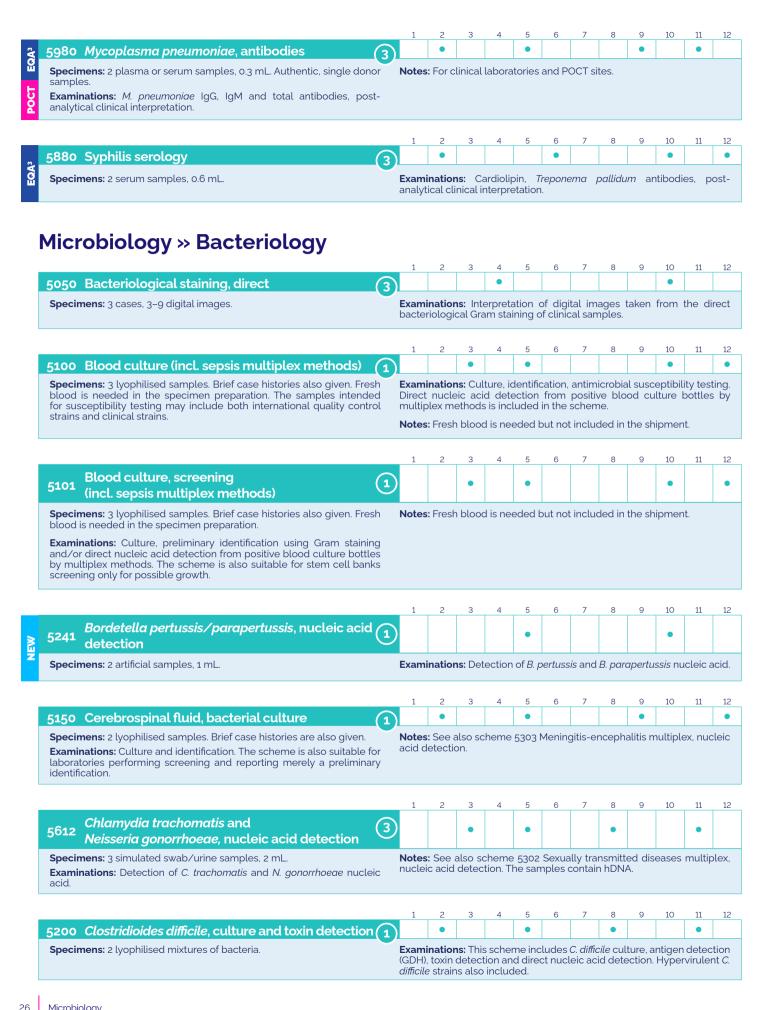


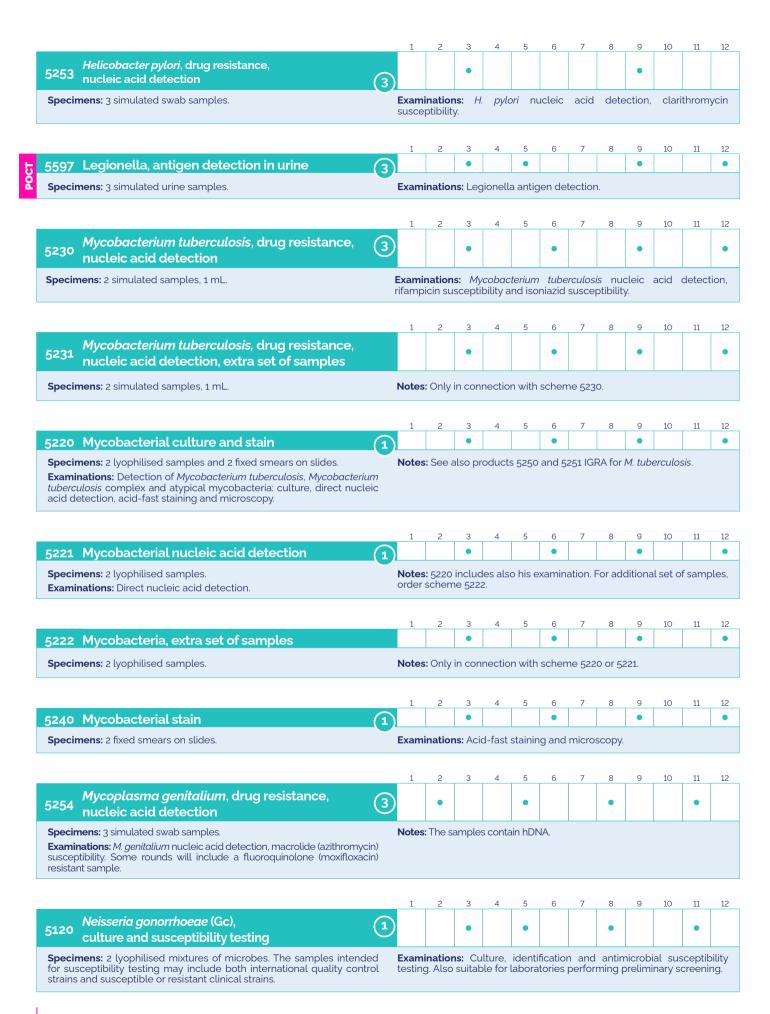
Microbiology

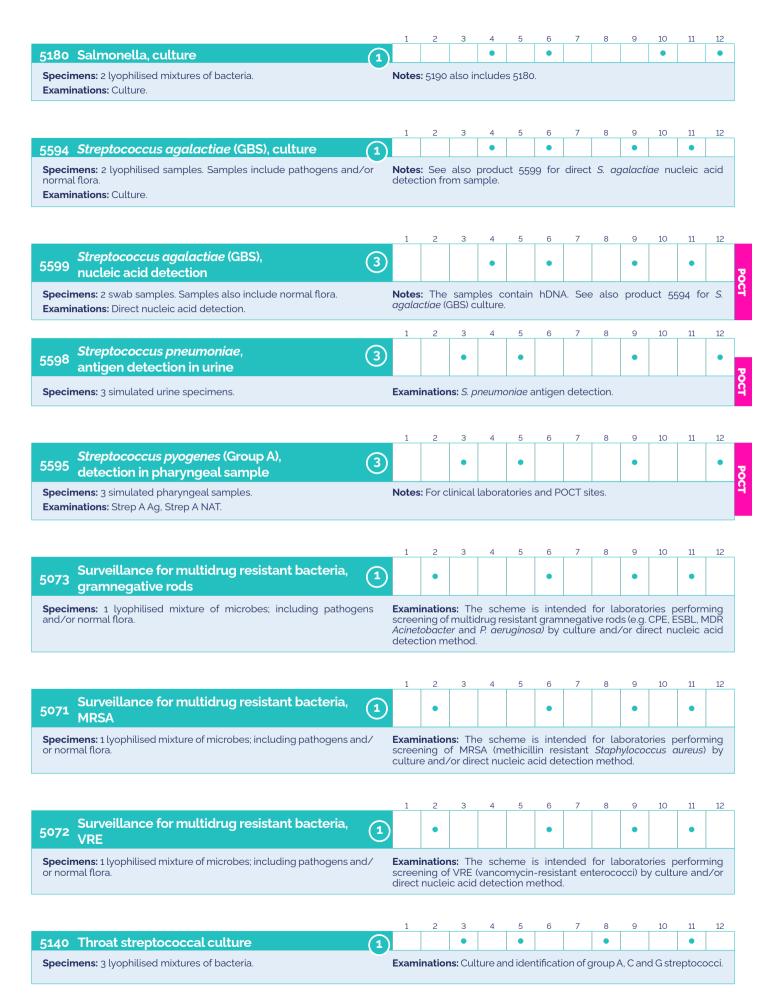
The microbiological EQA programs are suitable for clinical laboratories and POCT sites performing testing in the areas of bacterial serology, bacteriology, mycology, parasitology and virology. While the selection includes schemes for antigen detection, antibody detection, culture, microscopy, and PCR tests, solutions for versatile needs are available. Authentic single donor samples are included in multiple schemes.

Microbiology » Bacterial Serology

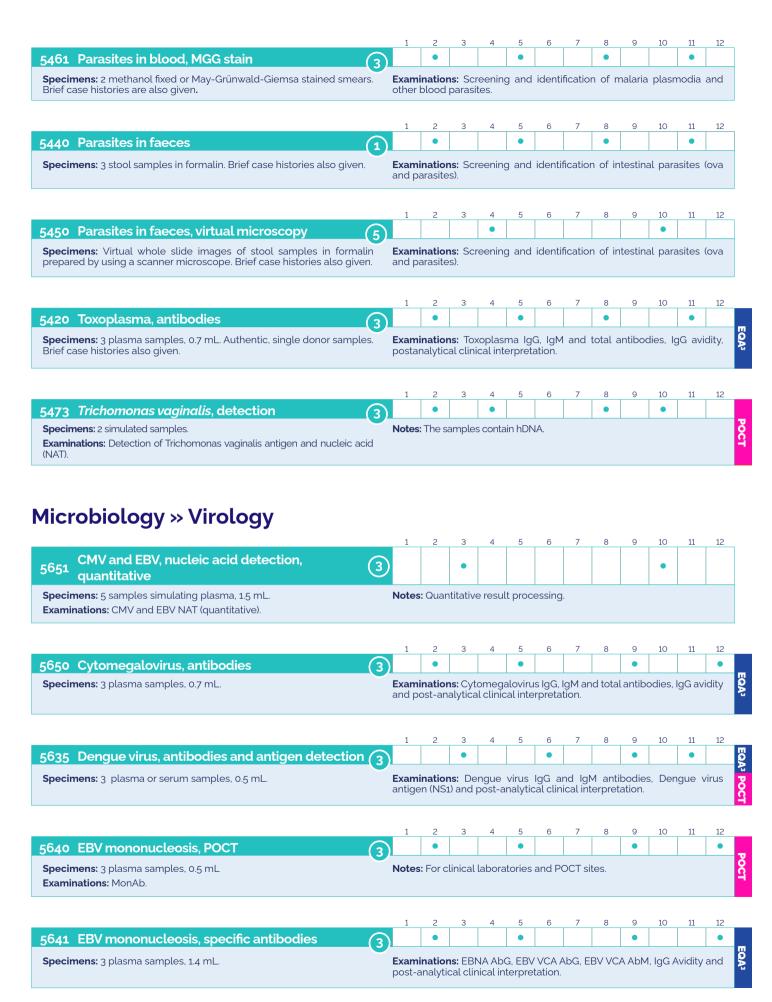




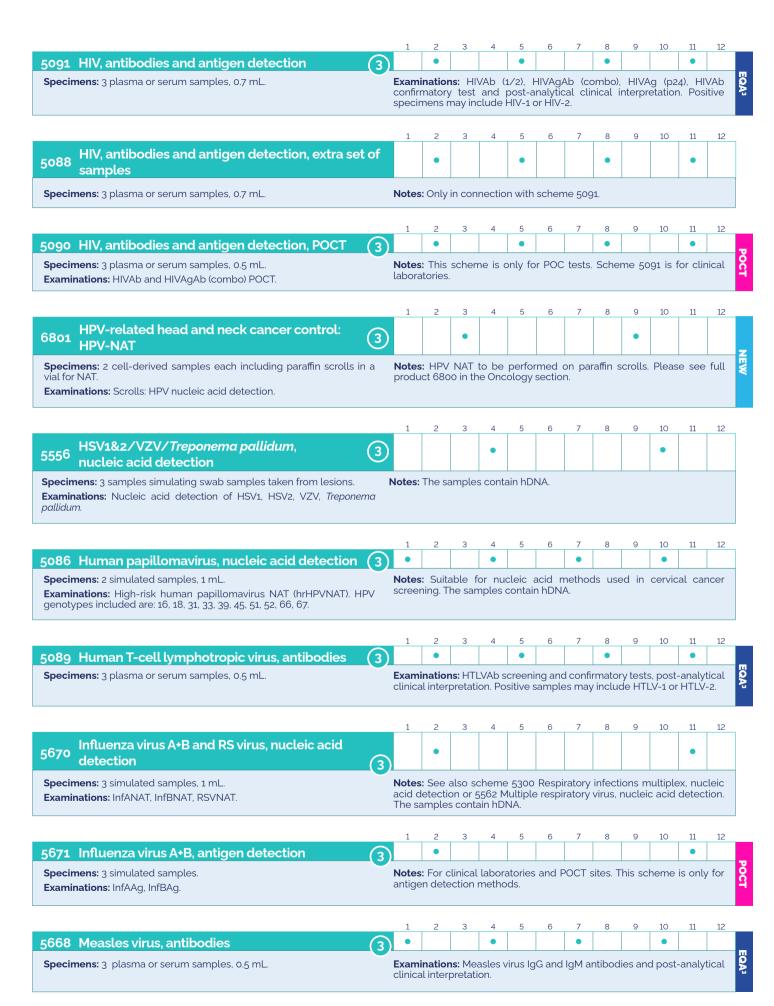


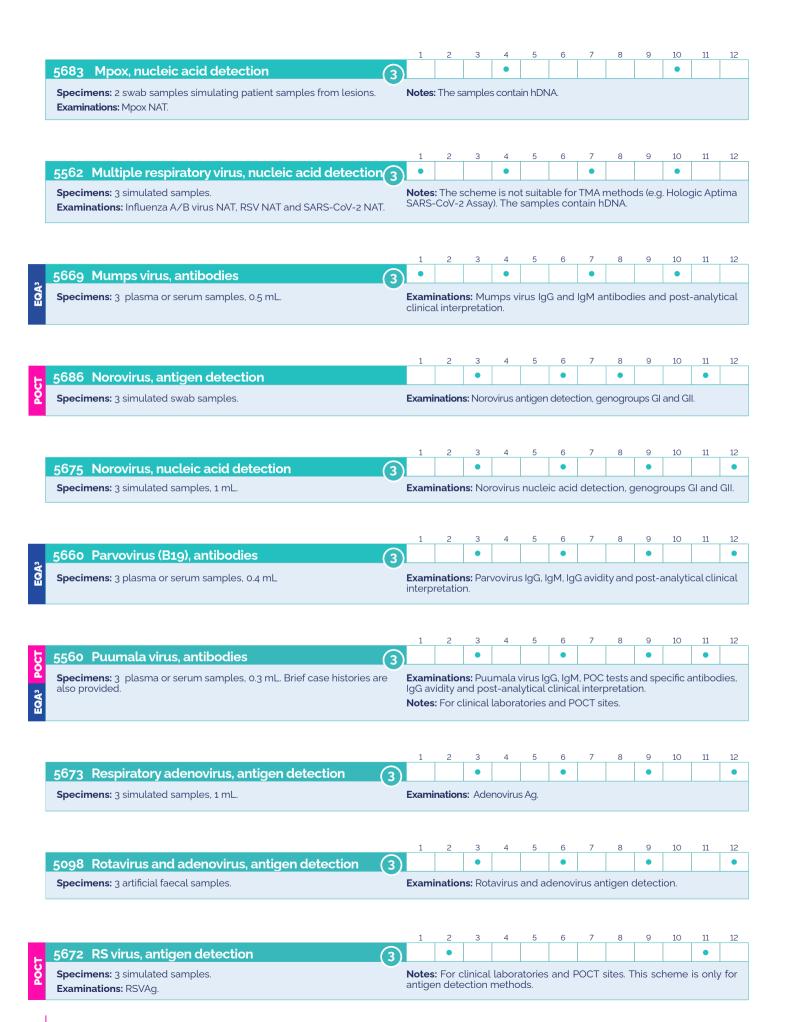


	1	2	3	4	5	6	7	8	9	10	11	1
5060 Urine culture, quantitative screening (1)		•			•			•			
Specimens: 2 lyophilised samples and dilutor. Brief case histories also given. Pre- and/or post-analytical cases in part of the rounds. Examinations: Culture and quantitation, pre-and/or post-analytical indicators.	Notes analys	: Scher sers.	me 317	'o avail	able fo	or urine	e bacte	rial sci	reeninç	g with	autom	ate
	1	2	3	4	5	6	7	8	9	10	11	
Urine culture, quantitative screening, identification and susceptibility)		•			•			•			
Specimens: 2 lyophilised samples and dilutor. Brief case histories also given. The samples intended for susceptibility testing may include both international quality control strains and susceptible or resistant clinical strains. Pre- and/or post-analytical cases in part of the rounds.	susce	ination ptibility : Scher sers.	testin	g, pre-	and/o	r post-a	analytic	cal indi	cators			
Microbiology » Mycology	1	2	3	4	5	6	7	8	9	10	11	
5260 Fungal culture)		•		•				•		•	
Specimens: 3 lyophilised samples. Brief case histories also given. The samples may include moulds, dermatophytes and yeasts.		inatior g of ye			and i	dentific	cation.	Antin	nicrob	ial sus	sceptil	bil
	1	2	3	4	5	6	7	8	9	10	11	
5261 Fungal infections, nucleic acid detection				•					•			L
Examinations: Nucleic acid detection according to laboratory's own test selection.												
Microbiology » Parasitology												
	1	2	3	4	5	6	7	8	9	10	11	
Microbiology » Parasitology Faecal parasites multiplex, nucleic acid detection	1	2	3	4	5	6	7	8	9	10	11	
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Faecal parasites multiplex, nucleic acid detection	Exam	• inatior	1s: Nu		cid de	etectio	n of Ci	yptosį	ooridiu		•	De,
Faecal parasites multiplex, nucleic acid detection	Exam fragili	• inatior s, Entai	ns: Nu moebo		cid de	etectio and <i>Gic</i>	n of Ci	• ryptosį imblia.	poridiu	ım, Die	entamo	De.
Faecal parasites multiplex, nucleic acid detection Specimens: 3 lyophilised samples. 5430 Malaria, antigen and nucleic acid detection Specimens: 3 whole blood samples. The scheme contains primarily Plasmodium falciparum positive and negative samples, occasionally	Exam fragilis	• inatior s, Entai	ns: Nu moebo 3	4 histol	cid de ytica a	etectio and <i>Gio</i>	n of Ci	eryptosj mblia: 8	poridiu 9	ım, Die	entamo	
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						_		_							
	5687 HBsAg and HCVAb POCT (3)	1	2		3	4	5	6	7	8	9	10	11	12
POCT	Specimens: 3 plasma or serum samples, 0.5 mL. Examinations: HBsAg, HCVAb POCT.		Notes clinica					only	for PC	OC test	s. Sch	eme (5094-	5096 is	s for
			1	2		3	4	5	6	7	8	9	10	11	12
EW	5689 HCV RNA from capillary blood, POCT	3)	_	_				•		1			•		
POCT NEW	Specimens: To be announced.		Exam	inatio	ons:	HCV	'NAT	(RNA).						
			1	2		3	4	5	6	7	8	9	10	11	12
2	5092 Hepatitis A, antibodies	3		•				•			•			•	
EQA³	Specimens: 3 plasma or serum samples, 0.6 mL.		Exam interp			HA\	/Ab,	HAVA	bM, H	AVAb(G and	post-a	analyti	cal clii	nical
			1	2		3	4	5	6	7	8	9	10	11	12
	Hepatitis B and C, serology, specimen volume 0.6 mL / 1.2 mL / 2.0 mL	3		•				•			•			•	
EQA3	Specimens: 3 plasma or serum samples, 0.6 / 1.2 / 2 mL. Choose the sample volume according to your test selection. Examinations: HBsAg, HBsAgCt, HBcAb, HBcAbM, HBeAb, HBeAg, HBsAb (qual), HCVAb, HCVAbCt, and post-analytical clinical interpretation.	į	Volun 5094: 5095: 5096: Notes	0.6 m 1.2 m 2.0 m	nL L nL					eme 56	87 is fo	or POC	CT use	rs.	
_															
	5093 Hepatitis B, s-antigen antibodies, quantitative (3)	1	2		3	4	5	6	7	8	9	10	11	12
	Specimens: 2 plasma or serum samples, 0.5 mL. Authentic, single donor samples.	r	Exam	inatio	ons:	HBs.	Ab (a	nti-HE	3s), qu	antitati	ive.				
	5679 Hepatitis B virus, nucleic acid detection (DNA) (3)	1	2		3	4	5	6	7	8	9	10	11	12
	Specimens: 3 lyophilised plasma samples, 1,5 mL.	9		ninat i ction.		: HE	N V8	NA, q	uantita	ative a	ınd/or	qualit	ative	nuclei	c acid
			1	2		3	4	5	6	7	8	9	10	11	12
	5678 Hepatitis C virus, nucleic acid detection (RNA)	3				•		•				•		•	
	Specimens: 3 lyophilised plasma samples, 1,1 mL.			ninat i ction.		: HC	CV RI	NA, q	uantita	ative a	ind/or	qualit	ative	nuclei	c acid
			1	2		3	4	5	6	7	8	9	10	11	12
_	5682 Hepatitis E, antibodies	3)					•						•		
EQA3	Specimens: 3 plasma or serum samples, 0.5 mL.		Exam interp			HE	√ Ab	, HE\	/ IgG,	HEV	lgM,	post-a	ınalyti	cal cli	nical
			1	2		3	4	5	6	7	8	9	10	11	12
	5555 Herpes simplex 1 and 2, antibodies	3)	1	•			7	•		,	•	9	10	•	14
	Specimens: 3 plasma or serum samples, 0.5 mL.		Exam HSV-2		ons:	HSV	' IgG	(qual	itative.	/quant	itative), HSV	IgM,	HSV-1	IgG,
			1	2		3	4	5	6	7	8	9	10	11	12
	5680 HIV-1, nucleic acid detection (RNA)	3)		_		•		•		,		•	10	•	1
	Specimens: 3 lyophilised plasma samples, 1,5 mL.		Exam detec		ons:	HIV-	-1 RN	A, qu	antita	tive ar	id/or c	qualita	tive n	ucleic	acid







EQA schemes including Antimicrobial Susceptibility Testing

Bacteriology and mycology

5100	Blood culture
5190	Faecal culture (rounds 2 and 4)
5260	Fungal culture
5080	General Bacteriology 1
5081	General Bacteriology 2
5253	Helicobacter pylori, drug resistance, nucleic acid detection
5230	Mycobacterium tuberculosis, drug resistance, nucleic acid detection

5254	Mycoplasma genitalium, drug resistance, nucleic acid detection
5120	Neisseria gonorrhoeae (Gc), culture and susceptibility testing
5073	Surveillance for multidrug resistant bacteria, gramnegative rods
5071	Surveillance for multidrug resistant bacteria, MRSA
5072	Surveillance for multidrug resistant bacteria, VRE
5065	Urine culture, quantitative screening, identification and susceptibility

EQA schemes suitable for direct nucleic acid testing methods

Bacteriology

9,	
5241	Bordetella pertussis/parapertussis, nucleic acid detection
5612	Chlamydia trachomatis and Neisseria gonorrhoeae, nucleic acid detection
5201	Clostridioides difficile, nucleic acid detection
5191	Faecal bacterial pathogens multiplex, nucleic acid detection
5253	<i>Helicobacter pylori</i> , drug resistance, nucleic acid detection
5221	Mycobacterial nucleic acid detection
5230	Mycobacterium tuberculosis, drug resistance, nucleic acid detection
5254	<i>Mycoplasma genitalium</i> , drug resistance, nucleic acid detection
5599	Streptococcus agalactiae (GBS), nucleic acid detection
5595	Streptococcus pyogenes (Group A), detection in pharyngeal sample
5071	Surveillance for multidrug resistant bacteria, MRSA
5072	Surveillance for multidrug resistant bacteria, VRE
5073	Surveillance for multidrug resistant bacteria, gramnegative rods

Multiplex

5191	Faecal bacterial pathogens multiplex, nucleic acid detection
5472	Faecal parasites multiplex, nucleic acid detection
5304	Gastrointestinal viral multiplex, nucleic acid detection
5303	Meningitis-encephalitis multiplex, nucleic acid detection
5300	Respiratory infections multiplex, nucleic acid detection
5302	Sexually transmitted diseases multiplex, nucleic acid detection
5305	Bacterial vaginosis and vaginitis multiplex, nucleic acid detection

Mycology

5261 Fungal infections, nucleic acid detection

Parasitology

5472	Faecal parasites multiplex, nucleic acid detection
5430	Malaria, antigen and nucleic acid detection
5473	Trichomonas vaginalis, detection

Virology

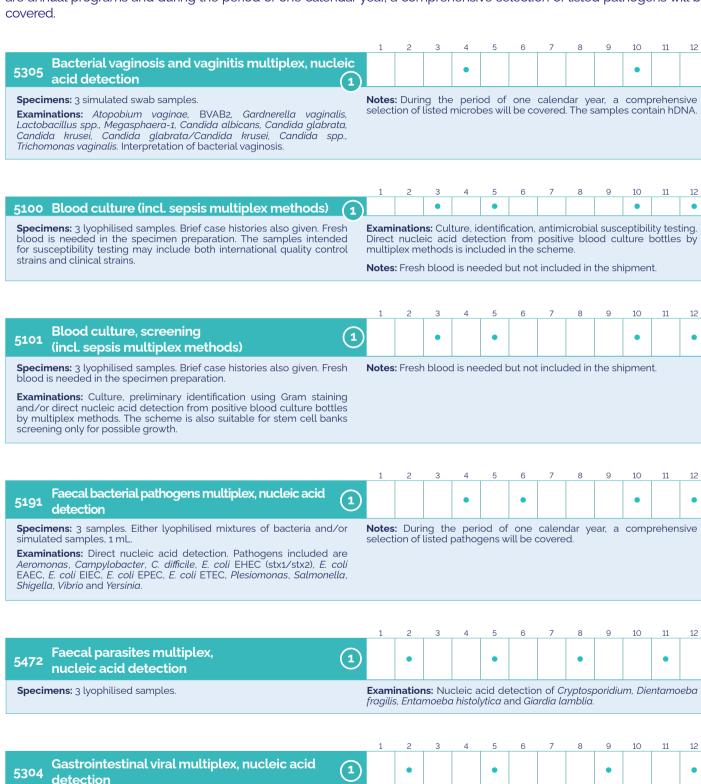
5651	CMV and EBV, nucleic acid detection, quantitative
5689	HCV RNA from capillary blood, POCT
5679	Hepatitis B virus, nucleic acid detection (DNA)
5678	Hepatitis C virus, nucleic acid detection (RNA)
5680	HIV-1, nucleic acid detection (RNA)
5556	HSV1&2/VZV/ <i>Treponema pallidum</i> , nucleic acid detection
5086	Human papillomavirus, nucleic acid detection
5670	Influenza virus A+B and RS virus, nucleic acid detection
5562	Multiple Respiratory Virus, nucleic acid detection
5683	Mpox, nucleic acid detection
5675	Norovirus, nucleic acid detection
5676	SARS-CoV-2, nucleic acid detection

Multiplex

Specimens: 3 simulated samples, 1 mL.

Examinations: Direct multiplex nucleic acid detection. Pathogens included are: Adenovirus, Astrovirus, Norovirus GI and GII, Rotavirus,

Multiplex EQA schemes are aimed to support laboratories to fulfill quality requirements of multiplex nucleic acid tests. All schemes include clinically relevant samples specially designed for multiplex nucleic acid testing. The multiplex schemes are annual programs and during the period of one calendar year, a comprehensive selection of listed pathogens will be covered.



Notes: During the period of one calendar year, a comprehensive

selection of listed pathogens will be covered.

5303 Meningitis-encephalitis multiplex, nucleic acid detection

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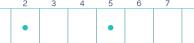
Specimens: 3 simulated samples, 1 mL.

Examinations: Direct multiplex nucleic acid detection. Pathogens included are *Escherichia coli* K1, *Haemophilus influenzae, Listeria monocytogenes, Neisseria meningitidis, Streptococcus agalactiae, Streptococcus pneumoniae,* Cytomegalovirus (CMV), Enterovirus, Epstein-Barr virus (EBV), Herpes simplex virus 1 (HSV1), Herpes simplex virus 2 (HSV2), Human herpesvirus 6 (HHV6), Human parechovirus (HPeV), Varicella zoster virus (VZV) *Cryptococcus neoformans* and *Cryptococcus gattii*.

Notes: During the period of one calendar year, a comprehensive selection of listed pathogens will be covered.

Respiratory infections multiplex, nucleic acid detection





Specimens: 4 simulated samples, 1 mL.

Examinations: Direct multiplex nucleic acid detection. Pathogens included are adenovirus, bocavirus, *B. parapertussis, B. pertussis, C. pneumoniae,* coronavirus (OC43, 229E, NL63, HKU1), enterovirus, influenzavirus A/B, *L. pneumophila*, metapneumovirus, *M. pneumoniae*, parainfluenzavirus 1-4, rhinovirus, RSV A/B, SARS-CoV-2 and *S. pneumoniae*.

Notes: During the period of one calendar year, a comprehensive selection of listed pathogens will be covered. The samples contain hDNA.

5302 Sexually transmitted diseases multiplex, nucleic acid detection



5 6 7 8 9 10 11

Specimens: 4 simulated swab/urine samples, 2 mL.

Examinations: Direct multiplex nucleic acid detection. Pathogens included are *C. trachomatis*, *M. genitalium*, *M. hominis*, *N. genorrhoeae*, *T. vaginalis*, *U. parvum* and *U. urealyticum*.

Notes: During the period of one calendar year, a comprehensive selection of listed pathogens will be covered. The samples contain hDNA.

Pathology

Seven high quality schemes are available for pathology laboratories. With changing topics in the rounds, both routine and more advanced needs are covered. The challenges are realistic and include also less commonly encountered clinically relevant cases. In the cytology and histopathology schemes, virtual microscopy is used. With this technology, viewing of several fields of vision and levels of focus are enabled on a computer screen simulating analysis with an optical microscope. Please see the new scheme for HPV-related head and neck cancer under Others >> Oncology.

Pathology » Preanalytics

7806 Preanalytics and process in anatomic pathology (5 Notes: The scheme is intended for all laboratory staff of pathology Specimens: 3-5 cases with preanalytical and process error(s). laboratories. Scheme is carried out online. Examinations: Participants are asked to find preanalytical or laboratory process error(s) in the cases **Pathology** » Diagnostics 6542 Histopathology, virtual microscopy Examinations: Observations and diagnoses Topics: 1/2026 Thyroid gland, 2/2026 GI tract. Specimens: Virtual images of at least 5 slides of miscellaneous tissue. **Notes:** Topics may vary annually Brief case histories and instructions are provided. 10 Gynaecological cytology (liquid based), (5 6701 virtual microscopy Specimens: Virtual images of at least 5 Papanicolaou stained slides of **Examinations:** Observations and diagnoses. liquid based cytology (LBC) samples (ThinPrep). Diagnostics of cellular Notes: The virtual microscopy program does not work with Internet atypias in samples taken from gynaecological loci is assessed. Brief case Explorer. histories and instructions are provided. 10 11 12 Gynaecological cytology (smear), virtual (5) 6700 microscopy Specimens: Virtual images of at least 5 Papanicolaou stained slides of Examinations: Observations and diagnoses. conventional pap smear samples. The samples are selected from routine Notes: The virtual microscopy program does not work with Internet cytological material. Diagnostics of cellular atypias in samples taken from gynaecological loci is assessed. Brief case histories and instructions are provided. 10 Non-gynaecological cytology, (5) 6702 <u>virtual microscopy</u> Specimens: Virtual images of Papanicolaou stained slides of non-Examinations: Observations and diagnoses. gynaecological cytosentrifuge (CCF) or smear preparations or May-Grünwald-Giemsa stained smears or imprint preparations. Images of at Notes: The virtual microscopy program does not work with Internet Explorer. least 5 cases from representative loci. Brief case histories and instructions are provided. Pathology » Technology

6543 Histological staining techniques Specimens: 1/2026 The participating laboratory will receive one 1/2026 HE + HE the participating laboratory's own slide. unstained slide for HE staining. The second HE staining will be performed 2/2026 PAS, Elastin using the laboratory's own material according to instructions and sent for evaluation. 2/2026 Participants will receive two unstained slides. 6600 Immunohistochemical staining methods Topics: 1/2026 CKPan, Ki67, SATB2.2/2026 ER, PR, HER2.3/2026 Chromogranin, **Examinations:** Staining of the slides. A set of stained slides is returned to Synaptophysin, INSM1 Aurevia for evaluation by an expert board.

Specimens: Unstained paraffin embedded tissue from different tissue blocks or from one multiblock

Preanalytics

The preanalytical schemes provide laboratories and POCT sites with tools for extending quality assurance beyond the commonly assessed analytical phase. As a result of the improved analytical quality, most errors have been suggested to now occur in the preanalytical phase. Managing all phases of the total testing cycle is equally important to ensure patient safety.

8817 HIL-index (DEKS) Three rounds per year. Specimens: 2 samples, 1 mL each Examinations: Organised in co-operation with DEKS. Participation in all rounds is required. Register orders before the end of December. 11 7806 Preanalytics and process in anatomic pathology Specimens: 3-5 cases with preanalytical and process error(s). Notes: The scheme is intended for all laboratory staff of pathology laboratories. The scheme is carried out online. Examinations: Participants are asked to find preanalytical or laboratory process error(s) in the cases 7800 Preanalytics, clinical chemistry Specimens: 3 cases with preanalytical error(s). Notes: The scheme is intended for personnel using POCT tests and devices. The scheme is carried out online. **Examinations:** Participants are asked to find preanalytical error(s) in the 10 7802 Preanalytics, microbiology Specimens: 3 cases with preanalytical error(s). Notes: The scheme is intended for all laboratory staff of clinical microbiology laboratories. The scheme is carried out online. **Examinations:** Participants are asked to find preanalytical error(s) in the cases 7807 Preanalytics, Pneumatic Sample Transport 3 Specimens: Two surrogate blood vials (i.e. measurement devices for Notes: Vials are sent to the participating laboratories during Septemberrecording 3-axis acceleration during pneumatic tube system transport October. Laboratories are asked to perform the recordings within one week upon receiving the vials and to return the vials using a courier (shipping costs not included). It is possible to measure 3 different lines Examinations: Vials are sent through the PTS as regular blood samples, from the same PTS manufacturer. no laboratory analysis is performed. Rejection probability of LDH, ASAT and K will be calculated using the cumulative vibration level, laboratory defined analyte-specific hemolysis cutoffs, and a hemolysis model 7804 Preanalytics, POCT in chemistry Specimens: 3 cases with preanalytical error(s). Notes: The scheme is intended for personnel using POCT tests and devices. The scheme is carried out online. Examinations: Participants are asked to find preanalytical error(s) in the 7801 Preanalytics, urine and blood sample collection (

Notes: The scheme is intended for personnel performing blood and

urine sample collection. Scheme is carried out online

Specimens: 3 cases with preanalytical error(s).

Examinations: Participants are asked to find preanalytical error(s) in the

10

11

12

Others

Others » Andrology

6400 Semen analysis

Specimens: 2-3 digital image series to assess morphology, 2-3 videos to assess sperm concentration and motility, 1 image series to assess sperm vitality.

Examinations: Sperm concentration, morphology, motility, vitality. **Notes:** The scheme is carried out online.

Others » Clinical physiology

7130 ECG, interpretation

Specimens: 3 digital ECG registrations (images). **Examinations:** Technical quality and findings.

Notes: The scheme is designed for nurses and general practitioners as well as for personnel in POCT units. Participants are evaluated on their responses on technical quality, findings or both if given.

Others » Genetics

8850 DNA sequencing (EQUALIS)

Specimens: Two samples (amplicons) and two primer pairs for a total of 4 sequence reactions are distributed to the participants.

Examinations: Both ability to identify the sequence and report according to HGVS nomenclature are assessed.

One round per year.

Notes: Organised in co-operation with Equalis. Participation in all rounds is required. Register orders before the end of December.

3865 DNA single nucleotide variation (EQUALIS)

Specimens: Whole blood or extracted DNA. Blank samples (water) are sometimes included.

Examinations: DNA-Apolipoprotein E genotype, DNA-Factor 2 (F2) g.20210G>A, DNA-Factor 5 (F5) c.1691G>A, DNA-Hemochromatosis (HFE) c.187C>G; c.845G>A, DNA-Lactase gene (LCT) g.13910C>T, DNA-Methylene tetrahydropholate reductase (MTHFR) c.677C>T; c.1298A>Cx.

Two rounds per year.

Notes: Organised in co-operation with Equalis. Participation in all rounds is required. Register orders before the end of December.

Others » Laboratory instruments

8814 ELISA reader photometry control (DEKS)

Specimens: An ELISA-plate with built-in gray glass filters. **Examinations:** Control for the absorbance scale in ELISA reader.

One round per year.

Notes: Absorbance traceable to NIST Control of the absorbance scale of ELISA readers. Organised in co-operation with DEKS. Register orders before the end of December.

8205 Pipette control

Specimens: 2 liquid samples.

Examinations: 100 - 1000 μL of the liquid samples shall be weighed by the participant, the result is reported in mg with a precision of two decimal places.

(5)

Notes: Up to 5 single-channel pipettes can be controlled. A calibrated laboratory scale with 0.01 mg resolution is required. This EQA scheme does not replace standardized pipette calibration, it does not fulfill the accreditation requirements for pipette calibration.

Others » Oncology

		1	2	3	4	5	6	7	8	9	10	11	12
	6800 HPV-related head and neck cancer control: 3			•						•			
NEW	Specimens: 2 cell-derived samples each including one paraffin section on a slide for IHC p16 and paraffin scrolls in a vial for NAT. Examinations: Slide: IHC p16 staining and interpretation. Scrolls: HPV nucleic acid detection.	Notes perfor			aining 1 Is in vi		perfori	med o	n slide	es and	1 V9H	NAT to	be
		1	2	3	4	5	6	7	8	9	10	11	12
'n	6802 HPV-related head and neck cancer control: 3			•						•			
NEV	Specimens: 2 cell-derived samples each including one paraffin section on a slide for IHC p16. Examinations: Slide: IHC p16 staining and interpretation.	Notes	: p16	HC sta	ining to	o be p	erform	ned on	slides				
		1	2	3	4	5	6	7	8	9	10	11	12
N.	6801 HPV-related head and neck cancer control: 3			•						•			
NEW	Specimens: 2 cell-derived samples each including paraffin scrolls in a vial for NAT. Examinations: Scrolls: HPV nucleic acid detection.				to be e Onco				affin s	crolls.	Pleas	e see	full

External quality assessment for extra-analytical phases

PREANALYTICAL EQA | ANALYTICAL EQA | POSTANALYTICAL EQA

We have two advanced external quality assessment programs for extra-analytical phases of clinical laboratory investigation process. Preanalytical EQA programs are independent schemes for the evaluation of preanalytical phase and Integrated EQA programs includes pre- and/or postanalytical evaluation together with traditional EQA samples.

Pre- and postanalytical EQA programs

Preanalytical EQA programs

8817	HIL-index (DEKS)
7800	Preanalytics, clinical chemistry
7802	Preanalytics, microbiology
7806	Preanalytics and process in anatomic pathology
7807	Preanalytics, Pneumatic sample transport
7804	Preanalytics, POCT in chemistry
7801	Preanalytics, urine and blood sample collection

Integrated EQA programs

Clinical chemistry

2610	Acid-base status and electrolytes
2570, 2580, 2590	Glucose meters
2114	Haemoglobin, 1-level, POCT
2300, 2300S	Hormones A: Basic analytes of hormone and immunochemistry
2301, 2301S	Hormones B: Steroid and peptide hormones
2200	Lipids and lipoproteins
2240	Proteins, electrophoresis
2050	General clinical chemistry, 2-level sera (serum B and C
3100, 3102	Urine strip test A
3130	Urine strip test B
2480	Vitamin A, E and D metabolites

Clinical physiology

Haematology

Column agglutination methods: grading of reactions and patient cases	
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Immunology

5935	ANCA and GbmAb
5900	Antinuclear antibodies
5940	Coeliac disease, antibodies
5250	Interferon Gamma Release Assay (IGRA) for Mycobacterium tuberculosis

Microbiology

5950	Bordetella pertussis, antibodies
5960	Borrelia burgdorferi, antibodies, European origin
5620	Chlamydia pneumoniae, antibodies
5650	Cytomegalovirus, antibodies
5635	Dengue virus, antibodies and antigen detection
5641	EBV mononucleosis, specific antibodies
5080	General Bacteriology 1 (aerobes and anaerobes)
5081	General Bacteriology 2 (aerobes)
5860	Helicobacter pylori, antibodies
5092	Hepatitis A, antibodies
5094-5096	Hepatitis B and C, serology
5682	Hepatitis E, antibodies
5091	HIV, antibodies and antigen detection

5089	Human T-cell lymphotropic virus, antibodies
5668	Measles virus, antibodies
5669	Mumps virus, antibodies
5980	Mycoplasma pneumoniae, antibodies
5660	Parvovirus B19, antibodies
5560	Puumala virus, antibodies
5667	Rubella virus, antibodies
5880	Syphilis serology
5099	Tick-borne encephalitis virus, antibodies
5420	Toxoplasma, antibodies
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5065	Urine culture, quantitative screening
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LABQUALITY DAYS

50th Anniversary

5-6 February 2026 Helsinki, Finland

International Congress on Quality in Laboratory Medicine & Health Technology

Labquality Days is one of the largest international congresses in Northern Europe focusing on quality in **laboratory medicine and health technology**. 2026 marks the 50th anniversary of the congress!

The inspiring atmosphere of the scientific congress gathers medical laboratory and health technology professionals together to exchange ideas and meet colleagues in Finland annually.

In addition to the extensive scientific program, the congress includes an exhibition of companies in the field of clinical laboratory, IT and health technology, and an **ePoster exhibition** where you can share your research and project results.

Join us in this special anniversary year to hear the latest developments in laboratory medicine and health technology, and spend a couple of days in beautiful winter Helsinki!

Under the auspices of:







