

# VEQ 360°



Una risorsa indispensabile per confermare e migliorare la qualità di tutto il tuo laboratorio.

Catalogo 2026

LΔBQUΔLITY

per i laboratori di biochimica clinica

# **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

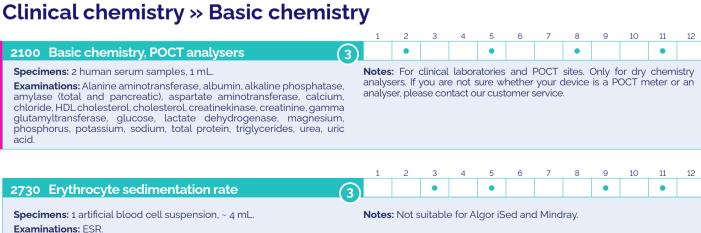
Pilot studies are EQA schemes under development. Information about pilot studies and schedules are updated on our website: https://www.aurevia.com/eqas/new-schemes/

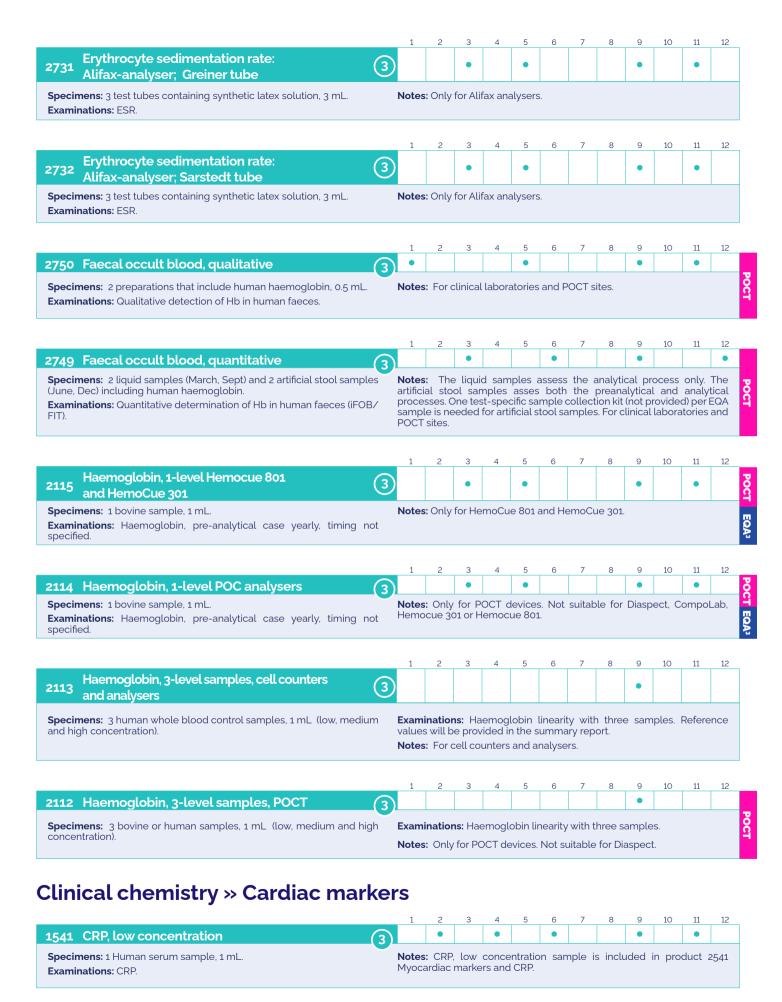
# Clinical chemistry

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. availability.





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2540 Myocardial markers (3		•		•		•			•		•	
Specimens: 2 Human serum samples, 1 mL.  Examinations: CK-MB mass, myoglobin, quantitative troponin I, quantitative troponin T. Not for CKMB activity!	<b>Note:</b> I and	T, dete	ection	for PO	CT. If y	ou ar	e not :	sure w	vhethe	me 253 er your ier serv	device	
	1	2	3	4	5	6	7	8	9	10	11	12
<b>Specimens:</b> 2 Human serum samples for myocardial markers, 1 mL and one for CRP, 1 mL. <b>Examinations:</b> CK-MB mass, myoglobin, quantitative troponin I, quantitative troponin T and CRP, low concentration. Not for CKMB activity!	<b>Note</b> : I and	T, dete	ection	for PO	CT. If y	ou ar	e not s	sure w	vhethe	me 253 er your er serv	device	
	1	2	3	4	5	6	7	8	9	10	11	1
2690 Natriuretic peptides 1, B-type, NT-ProBNP				•			•			•		
Specimens: 2 liquid samples, 3 mL.  Examinations: NT-ProBNP.				clinica ader ar				POC	T sites	. Also s	suitable	e fc
2601 Natriuratic poptidos 2 Batuno BND	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 o	linical	labora	tories	and P	OCT s	sites.				
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2530 Troponin I and troponin T, detection, POCT  Specimens: 2 fresh human serum samples or 2 liquid human samples, 1 ml.	<b>Note</b> s	or PO	CT, sch	ieme 2	540 is	for an	alyser	rs. If yo	ou are	ed. This not su	re whe	th
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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 DavTrol, human serum

cover a wide concentration range

receptor, triglycerides, urea, uric acid.

Specimens: 1 lyophilised human serum sample, 5 mL

Alanine Examinations: 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

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 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)

**Specimens:** 2 liquid human serum samples covering a wide concentration range, 3-5 mL

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.







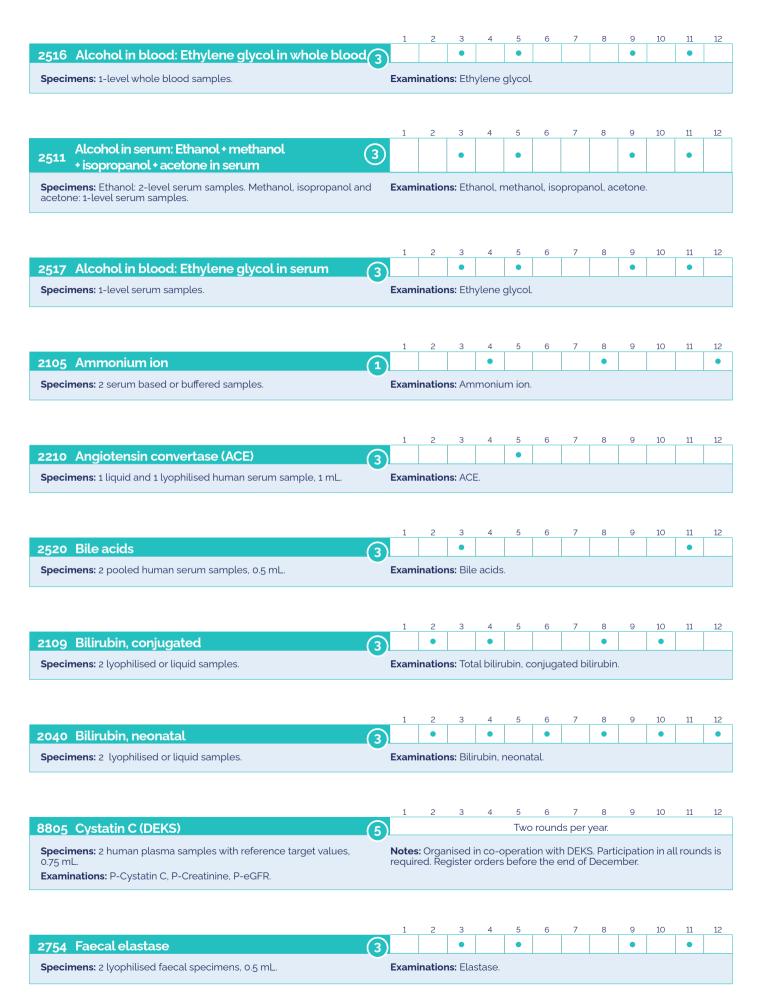


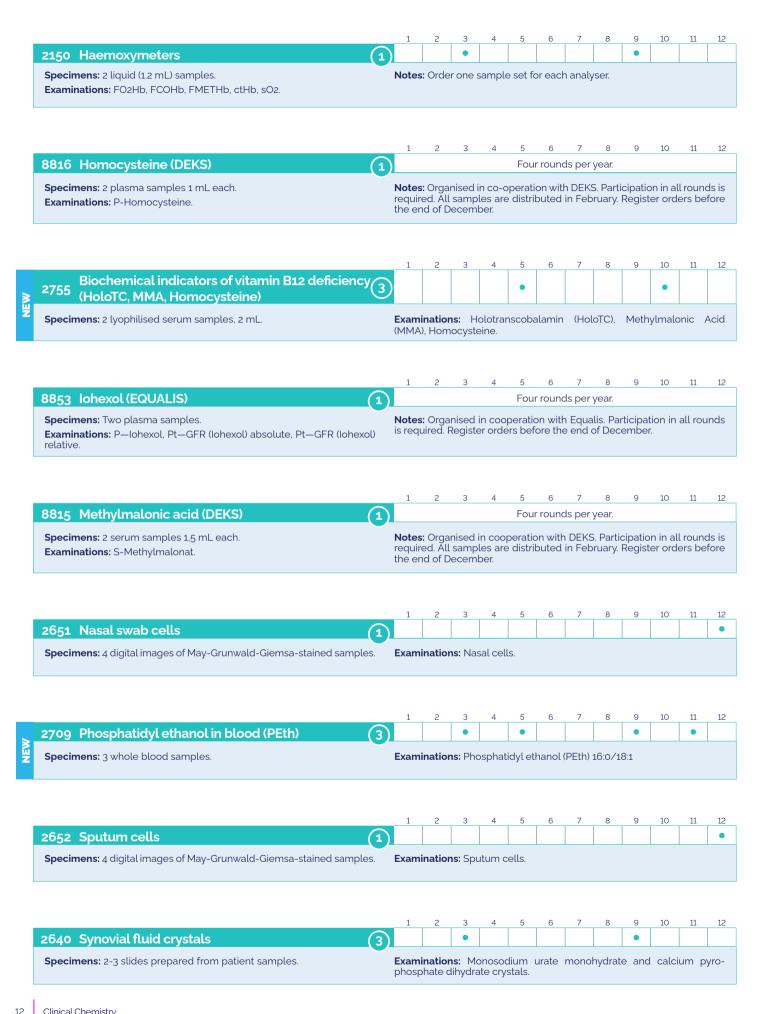


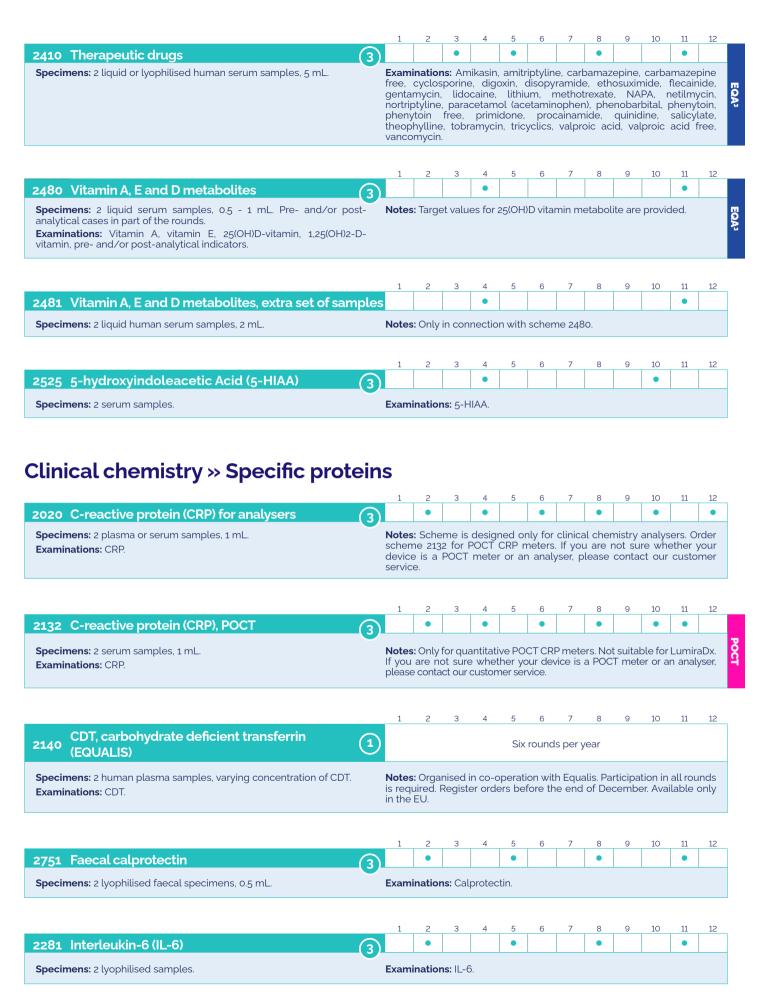


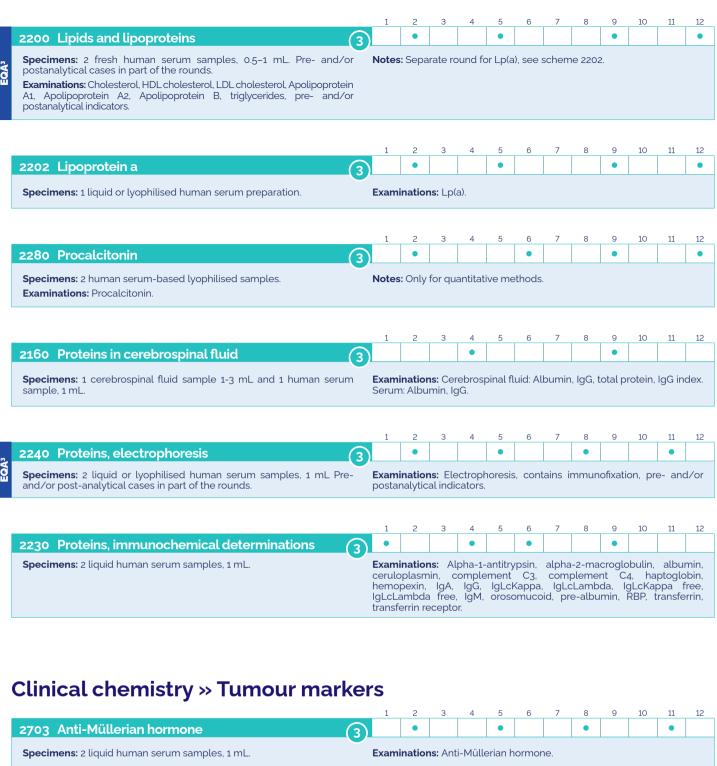


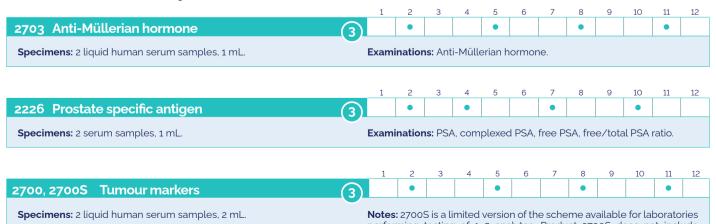






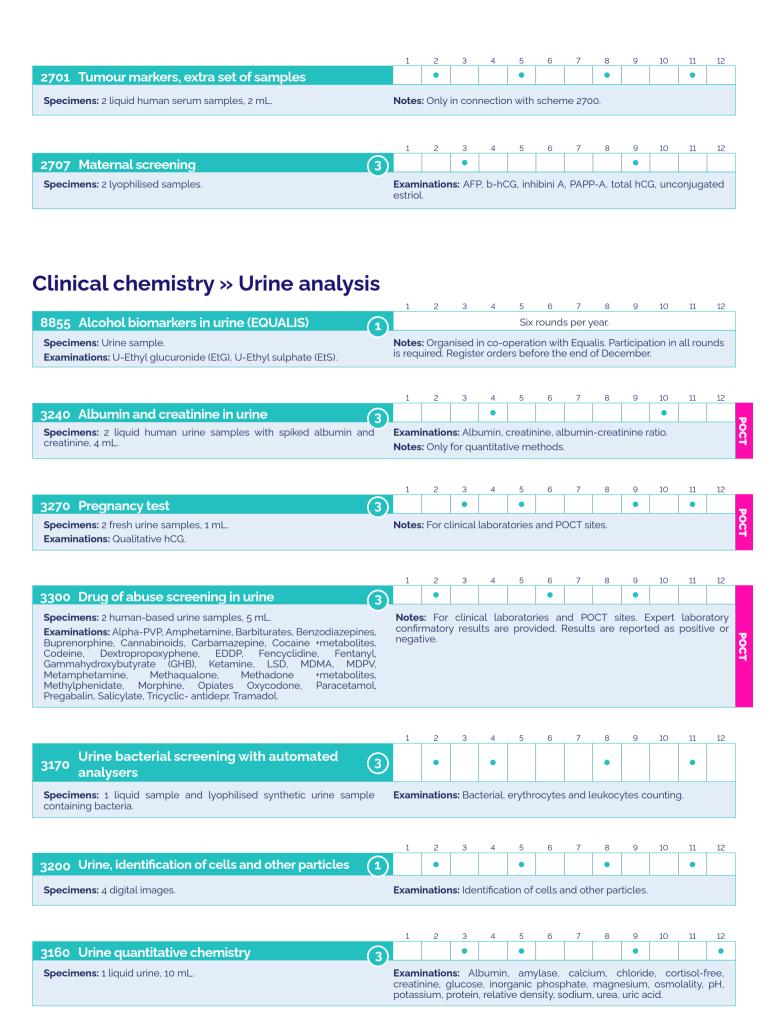






**Examinations:** AFP, CA 125, CA 153, CA 199, CEA, ferritin, hCG (total, intact, beta-subunit), PSA, PSA free, PSA free/total index, TG, TG antibodies, beta-2-microglobulin, NSE, HE4.

**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.



Specimens: 15 mL water for dissolution of lyophilised samples of scheme 3130

Notes: Only in connection with scheme 3130.

# 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**

Program coordinator eva.ronneseth@noklus.no

#### Anne Elisabeth Solsvik

Program manager anne.elisabeth.solsvik@noklus.no

#### Analytes included in the program

Creatinine

25-Hydroxyvitamin D **CRP** Albumin Ferritin **ALP** Folate (B9) ALT FT<sub>4</sub> **AST GGT** Bilirubin (total) Glucose BUN Hb Ca HbA1c Cholesterol HDL-cholesterol

lgA lgG IgM K LDL-cholesterol LDH MCV Mg Na Phosphate

PLT Protein (total)

PSA

PTH RBC

Triglycerides

TSH Urea Uric acid Vitamin B12 WBC

# LABQUALITY

