

VEQ 360°



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

Catalogo 2025
LABQUALITY
Programmi **specifici per l'accreditamento**
ISO 15189-2022



Product Catalogue 2025

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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]	1	2	3	4	5	6	7	8	9	10	11	12
	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.											

7806 Preanalytics and process in anatomic pathology	1	2	3	4	5	6	7	8	9	10	11	12
					●							●
Specimens: 3-5 cases with preanalytical and process error(s). Examinations: Participants are asked to find preanalytical or laboratory process error(s) in the cases.	Notes: The scheme is intended for all laboratory staff of pathology laboratories. Scheme is carried out online.											

7800 Preanalytics, clinical chemistry	1	2	3	4	5	6	7	8	9	10	11	12
		●										
Specimens: 3 cases with preanalytical error(s). Examinations: Participants are asked to find preanalytical error(s) in the cases.	Notes: The scheme is intended for personnel using POCT tests and devices. Scheme is carried out online.											

7802 Preanalytics, microbiology	1	2	3	4	5	6	7	8	9	10	11	12
				●							●	
Specimens: 3 cases with preanalytical error(s). Examinations: Participants are asked to find preanalytical error(s) in the cases.	Notes: The scheme is intended for all laboratory staff of clinical microbiology laboratories. Scheme is carried out online.											

7807 Preanalytics, Pneumatic Sample Transport	1	2	3	4	5	6	7	8	9	10	11	12
										●		
Specimens: Two surrogate blood vials (i.e. measurement devices for recording 3-axis acceleration during pneumatic tube system transport (PTS)). Examinations: Vials are sent through the PTS as regular blood samples, 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.	Notes: Vials are sent to the participating laboratories during September-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 from the same PTS manufacturer.											

7804 Preanalytics, POCT in chemistry	1	2	3	4	5	6	7	8	9	10	11	12
											●	
Specimens: 3 cases with preanalytical error(s). Examinations: Participants are asked to find preanalytical error(s) in the cases.	Notes: The scheme is intended for personnel using POCT tests and devices. Scheme is carried out online.											

POCT

7801 Preanalytics, urine and blood sample collection	1	2	3	4	5	6	7	8	9	10	11	12
			●									
Specimens: 3 cases with preanalytical error(s). Examinations: Participants are asked to find preanalytical error(s) in the cases.	Notes: The scheme is intended for personnel performing blood and urine sample collection. Scheme is carried out online.											

POCT

Others

Others » Laboratory instruments

	1	2	3	4	5	6	7	8	9	10	11	12
8814 ELISA reader photometry control [DEKS]	One round per year											
Specimens: An ELISA-plate with built-in gray glass filters. Examinations: Control for the absorbance scale in ELISA reader.	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.											

	1	2	3	4	5	6	7	8	9	10	11	12
8205 Pipette control		•						•				
Specimens: 2 liquid samples. Examinations: 100 - 1000 μ L of the liquid samples shall be weighed by the participant, the result is reported in mg with a precision of two decimal places.	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.											

External quality assessment for extra-analytical phases

PREANALYTICAL EQA | ANALYTICAL EQA | POSTANALYTICAL EQA

Labquality has 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]	7807	Preanalytics, Pneumatic sample transport
7800	Preanalytics, clinical chemistry	7804	Preanalytics, POCT in chemistry
7802	Preanalytics, microbiology	7801	Preanalytics, urine and blood sample collection
7806	Preanalytics and process in anatomic pathology		

Integrated EQA programs

Clinical chemistry

2570, 2580, 2590	Glucose meters	2240	Proteins, electrophoresis
2114	Haemoglobin, 1-level, POCT	2050	Serum B and C (2-level)
2300, 2300S	Hormones A: Basic analytes of hormone and immunochemistry	2480	Vitamin A, E and D metabolites
2301, 2301S	Hormones B: Steroid and peptide hormones		
2200	Lipids and lipoproteins		

Clinical physiology

7130	ECG, interpretation
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Haematology

4480	Column agglutination methods: grading of reactions and patient cases
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Immunology

5935	ANCA and GbmAb	5251	Interferon Gamma Release Assay (IGRA) for <i>Mycobacterium tuberculosis</i> - whole blood sample
5900	Antinuclear antibodies	5920	Thyroid gland antibodies
5940	Coeliac disease, antibodies		
5250	Interferon Gamma Release Assay (IGRA) for <i>Mycobacterium tuberculosis</i>		

Microbiology

5950	<i>Bordetella pertussis</i> , antibodies	5668	Measles virus, antibodies
5960	<i>Borrelia burgdorferi</i> , antibodies, European origin	5669	Mumps virus, antibodies
5620	<i>Chlamydia pneumoniae</i> , antibodies	5980	<i>Mycoplasma pneumoniae</i> , antibodies
5650	Cytomegalovirus, antibodies	5660	Parvovirus B19, antibodies
5635	Dengue virus, antibodies and antigen detection	5560	Puumala virus, antibodies
5641	EBV mononucleosis, specific antibodies	5667	Rubella virus, antibodies
5080	General Bacteriology 1 (aerobes and anaerobes)	5880	Syphilis serology
5081	General Bacteriology 2 (aerobes)	5099	Tick-borne encephalitis virus, antibodies
5860	<i>Helicobacter pylori</i> , antibodies	5420	Toxoplasma, antibodies
5092	Hepatitis A, antibodies	5060	Urine culture, quantitative screening
5094–5096	Hepatitis B and C, serology	5065	Urine culture, quantitative screening, identification and susceptibility
5682	Hepatitis E, antibodies	5665	Varicella-zoster virus, antibodies
5091	HIV, antibodies and antigen detection	5636	Zika virus, antibodies

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.

Labquality offers 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
- 4190 White blood cell differential count: HemoCue, POCT

Microbiology

- 5635 Dengue virus, antibodies and antigen detection
- 5640 EBV mononucleosis, 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 *Mycoplasma pneumoniae*, 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
- 5677 SARS CoV-2, antibodies
- 5681 SARS-CoV-2 antigen detection
- 5676 SARS-CoV-2 nucleic acid detection
- 5595 *Streptococcus pyogenes*, group A, antigen 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

LABQUALITY

**We are
Quality Makers**