

VEQ 360°



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

Catalogo 2025
LABQUALITY
per i laboratori di ematologia e coagulazione

Product Catalogue 2025

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- 4 Cell count and cell morphology
- 5 Coagulation

6 Blood banks and transfusion medicine

6 Point-of-Care

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

| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|
| 4420 ABO and Rh grouping | ① | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | ● | | | ● | | | ● | | | | ● |

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.

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|----|----|
| 4460 Antibody screening and compatibility testing | ① | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | ● | | | ● | | | ● | | | | ● |

Specimens: 2 whole blood samples (4 mL) and 4 red blood cell suspensions (3 mL).
Examinations: Reaction strengths and interpretation.

| | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|
| 4440 Antiglobulin test, direct | ① | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | ● | | | ● | | | ● | | | | ● |

Specimens: 2 red blood cell suspensions, 3 mL.
Examinations: Reaction strengths and interpretation.

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|----|----|
| 4480 Column agglutination methods: grading of reactions and patient cases | ③ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | | | ● | |

Specimens: 3-5 cases and digital images (DiaMed and Grifols cards).
Examinations: Interpretation of the cases and reaction strengths of the digital images.

Notes: Post-analytical scheme.

EQA³

| | | | | | | | | | | | | | |
|---|---|--------------------|---|---|---|---|---|---|---|---|----|----|----|
| 8852 Titration of erythrocyte antibodies [EQUALIS] | ① | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | 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] | ① | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | One round per year | | | | | | | | | | | |

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.

Haematology » Cell count and cell morphology

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4100 Basic blood count, 1-level sample | 3 | • | • | • | • | • | • | • | • | • | • | • |

Specimens: 1 blood cell suspension, 3 mL.

Examinations: Hb, HCT, MCH, MCHC, MCV, PLT, RBC, RDW (red cell distribution width), WBC, cumulative patient means of MCH, MCHC, MCV.

Notes: Not suitable for PixCell Medical HemoScreen analyser.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4110 Basic blood count, 2-level samples | 3 | • | • | • | • | • | • | • | • | • | • | • |

Specimens: 2 blood cell suspensions, 3 mL.

Examinations: Hb, HCT, MCH, MCHC, MCV, PLT, RBC, RDW (red cell distribution width), WBC, cumulative patient means of MCH, MCHC, MCV.

Notes: Not suitable for PixCell Medical HemoScreen analyser.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4180 Leucocyte differential count and evaluation of blood cell morphology, virtual microscopy | 3 | | | | • | | | | | • | | |

Specimens: 2–3 patient cases as virtual slide images.

Examinations: Leucocyte differential count and evaluation of red blood cells.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4200–4201 Leucocyte differential count, 3-part, automated | 3 | | • | | | • | | | • | | | • |

Analyser specific product codes:
4200: ABX, Advia, Cell-Dyn, Coulter, Medonic, Mindray, Nihon Kohden Celltac MEK
4201: Sysmex

Specimens: 1 blood cell suspension, 2–4 mL.

Examinations: Absolute numbers of leucocytes, lymphocytes, mononuclear cells and granulocytes.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4230–4240 Leucocyte differential count, 5-part, automated | 3 | | • | | | • | | | • | | | • |

Analyser specific product codes:
4230: Siemens Advia
4231: Cell-Dyn
4232: Coulter
4233: Sysmex XE, XS, XT, XN
4234: ABX Pentra, Yumizen
4236: Mindray
4237: Nihon Kohden Celltac MEK
4239: Mythic
4240: Coulter DxH 500 series

Specimens: 1 blood cell suspension, 2–4 mL.

Examinations: Leucocytes, basophils, eosinophils, granulocytes, lymphocytes and monocytes.

Notes: More information about the suitability of the product for your device from the EQA Coordinator.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4150–4156 Reticulocyte count, automated | 3 | | • | | | • | | | • | | | • |

Analyser specific product codes:
4150: Siemens Advia, Beckman Coulter
4153: Sysmex
4154: ABX Pentra
4156: Mindray

Specimens: 2 stabilised red blood cell suspensions, 2–4 mL.

Examinations: Reticulocyte count, absolute values.

Notes: More information about the suitability of the product for your device from the EQA Coordinator.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4140 Reticulocyte count, manual methods | 1 | | • | | | • | | | • | | | • |

Specimens: 1 stabilised red blood cell suspension, 2 mL.

Examinations: Reticulocyte count.

| | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|----|----|----|
| POCT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 4130 White blood cell count: HemoCue, POCT | 3 | | • | | | | | | • | | | |

Specimens: 1 blood cell suspension, 2 mL.

Examinations: Leucocytes.

Notes: The scheme is for HemoCue WBC Systems.

| | | | | | | | | | | | | | |
|------|--|---|---|---|---|---|---|---|---|---|----|----|----|
| POCT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 4190 White blood cell differential count: HemoCue, POCT | 3 | | | | | • | | | | | | • |

Specimens: 1 blood cell suspension, 2 mL.

Examinations: Leucocytes, neutrophils, lymphocytes, monocytes, basophils, eosinophils.

Notes: The scheme is for HemoCue WBC Diff analysers (5-part).

Haematology » Coagulation

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4330 Activated partial thromboplastin time, INR and fibrinogen | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 lyophilised plasma samples, 0.5–1 mL.

Examinations: APTT, fibrinogen and Prothrombin time (INR, PT% and PT in seconds).

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4387 Anticoagulants: LMW-Heparin/antiFXa | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 lyophilised plasma samples, 0.5–1 mL.

Examinations: LMW-heparin/antiFXa.

| | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4388 D-dimer | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 liquid commercial plasma samples, 0.5 mL.

Examinations: D-Dimer.

Notes: For clinical laboratories and POCT sites.

POCT

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4389 D-dimer, extra set of samples | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 liquid commercial plasma samples, 0.5 mL.

Examinations: D-Dimer.

Notes: Only in connection with scheme 4388.

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4335 INR, CoaguChek, i-STAT and Siemens Xprecia, POCT | | | | | ● | | | | | | ● | |

Specimens: Liquid plasma sample.

Examinations: Prothrombin time in INR unit.

Notes: Only for CoaguChek, i-STAT and Siemens Xprecia meters.

POCT

| | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4337 INR, EuroLyzer, POCT | | | | | ● | | | | | | ● | |

Specimens: 1 lyophilised plasma sample.

Examinations: Prothrombin time in INR unit.

Notes: Only for EuroLyzer INR meter.

POCT

| | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4340 INR, LabPad, POCT | | | | | ● | | | | | | ● | |

Specimens: 1 dried whole blood sample.

Examinations: Prothrombin time in INR unit.

Notes: Only for LabPad INR meters.

POCT

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4338 INR, MicroINR, LumiraDX and CoagSense, POCT | | | | | ● | | | | | | ● | |

Specimens: Lyophilised whole blood sample.

Examinations: Prothrombin time in INR unit.

Notes: Only for microINR, LumiraDX and CoagSense meters.

POCT

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|------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4300 Prothrombin time | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 lyophilised plasma samples, 0.5–1 mL.

Examinations: Prothrombin time (INR, PT% and PT in seconds).

| | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 4386 Special coagulation | | ● | | | ● | | | ● | | | ● | |

Specimens: 2 lyophilised plasma samples, 0.5–1 mL.

Examinations: Thrombin time, Antithrombin, Factor VIII, Protein C, Protein S.

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.

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.

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

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