



Verein für **medizinische Qualitätskontrolle**
Association **pour le contrôle de Qualité médical**
Associazione **per il controllo di qualità medico**

Comment to Survey 2015-3

General information

You can find all the important information, detailed reports and instructions at www.mqzh.ch.

New evaluations

As a new feature, the graph in our quantitative analyses always shows the deviation from the reference value as laid out in the Qualab tolerance. The new graph should make it easier to interpret the data, but does not influence the evaluation of the results.

K1 - eGFR

At www.mqzh.ch you can find a calculator that uses the currently recommended CKD-EPI formula. Our calculated eGFR values are now published in the surveyreport on www.mqzh.ch.

K1 - LDH

The SpotChem analyzers unfortunately had problems determining the LDH, so we have been unable to establish reproducible reference values for these machines. The participation of all affected participants will be taken into consideration in the certificate.

H3 – Differential blood smear

Smear H3-A comes from a patient with a hemoglobinopathy (HbS/HbC). Smear H3-B comes from a patient with myelofibrosis following polycythemia rubra vera.

Additionally for these cases, you can find the histograms of our hematology machines in Report H3 at www.mqzh.ch.

K3 / K18 - HbA1c

From the survey specimens, the European Reference Laboratory for Glycohemoglobin measured a DCCT compliant HbA1c value of 5.12 % for the sample A, and 7.37 % for the sample B.

You can find the Certificate of Analysis with the DCCT and IFCC value on our website.

Cardiac markers

The Swiss Cardiology Society and the Swiss Clinical Chemistry Society recommend that the troponins should only be reported using the unit «ng/L».

Please also note related information at www.sulm.ch, in Pipette 2015, No.4, Page 18.

Accordingly, we have converted all method groups to this unit.

K26 troponin I triage

There are currently two different troponin I tests commercially available:

- Troponin I SOB and Cardiac cassettes
- Next Generation Troponin I in the Troponin I, Cardio2 and Cardio3 cassettes

Because of the great differences between these tests they are evaluated separately. It is therefore important that you always specify the type of cartridge and the lot number used.

S1 – Fecal occult blood

Our simulated stool specimen contains human blood; all tests should give «positive».

U2 - Urinestrips

This specimen contained urine from healthy donors that was spiked with nitrite and blood.

U3 - Urin Drugs

To one liter of urine were added 1,500 µg of Methadone, 750 µg of EDDP, 1,000 µg of Methaqualone and 3,000 µg of Amitriptyline. Correspondingly, the analyses for Methadone, Methaqualone, and tricyclic antidepressants should be positive and all others negative.

B1 und B2 - Microbiology

We sent you the following samples:

B1 Strep A A simulated throat swab with the following pathogens:
Streptococcus pyogenes
The correct result was «positive»

B2 Uricult 100 ml of buffer solution and a pellet with *Escherichia coli* at a concentration of
 10^4 /ml
We expected results between 10^3 and 10^5 CFU

B10 – Gram - stain

The preparation contains curved Gram-negative rods from a blood culture. *Campylobacter jejuni/coli* was identified in the blood culture.

Ringversuchsdaten

The shipping of the next survey is: Tuesday 3. November 2015.

Further survey dates are on 8. March, 7. June, 30. August and 1. November 2016.

Is your laboratory closed this week? Then send or fax us a quick note as soon as possible. We will send your samples 2 weeks later.

SVA Congress in Davos

Once again, the MQ-Team will be participating in this year's MPA-Congress in Davos with its own stand in foyer A1. Would you like to know what the measurements and histograms printed out by the hematology machines mean? If so, visit our workshop is on Friday or Saturday from 15:30 to 16:30. Using many examples from clinical cases, we will show you how to interpret the results from these machines. We look forward to your visit!

Best regards



Dr. R. Fried

QUALAB obligatory inter-laboratory tests 2016

The list of obligatory inter-laboratory tests for 2016 can be found at www.qualab.ch.

IMPORTANT: New for 2016, urine test strips and pregnancy test are obligatory!

Our U2 test contains 5ml urine, and can be used for all test strips (Siemens, KDK and Roche) as well as for all qualitative pregnancy tests.

Yes, we wish to order inter-laboratory test U2 (Sfr. 40.- per year)

After 1.1.2016

Immediately

We use the following tests:

Participant number:

Date / Signature:

You can fax this form to us on: 044 261 12 83