



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

Comment to Survey 2014-1

General information

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

K1 – eGFR

You can now report estimated glomerular filtration rates (eGFR) in addition to the creatinine value. With eGFR, the filtration capacity of the kidney can be estimated better than with the creatinine value. The eGFR can be calculated with the help of additional patient data directly from the measured plasma creatinine and should be reported together with the creatinine value in the findings. You can find a calculator that uses the currently recommended CKD-EPI formula for computation on www.mqzh.ch. Also, the reference range and the classification of the various stages of kidney disease are noted beneath the calculator.

H3 – differential blood count

Smear H3-A is from a healthy employee.

Smear H3-B is from a patient with acute promyelocytic leukemia (APL). You can find the results and the full findings on our website.

K3 / K18 - HbA1c

From the survey specimens, the European Reference Laboratory for Glycohemoglobin measured a DCCT compliant HbA1c value of 6.16 % for the sample A, and 8.15 % for the sample B.

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

S1 – Fecal Occult Blood

Our simulated stool specimen contained 2 ml human blood per 100g. Of the 187 participants, only 6 (3.2%) reported a negative result. We recommend that participants who obtained a negative result check the expiration date of the test (at a minimum of the developer solution). You may request another free specimen from us.

U2 - Urine test strips

This specimen contained urine from healthy donors that was spiked with blood and sodium nitrite. The leukocyte count was slightly elevated. We recommend that participants with false-negative results mix the urine well and read the leukocyte test field only after 120 seconds with the next survey specimen.

U3 - Urin Drugs

To one liter of urine, 1000 µg methaqualone, 2000 µg methamphetamine, 2000 µg amphetamine were added. Accordingly, methaqualone, methamphetamine and amphetamine should be positive, all other analyzes negative. For amphetamines, we always use a mixture of both enantiomers (D and L). However, only the D-enantiomer is responsible for effects of euphoria. Depending on the test manufacturer, the cutoff is determined by the mixture or by the D-enantiomer. For this reason, target values depend on the test system used.

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 sterile pellet

The sample was sterile! If something grew, it was a contaminant introduced during preparation of the test.

Our target value was "Uricult bioburden" $\leq 10^3$

B10 – Gram stain

The CSF specimen contained Gram positive diplococci (pneumococci).

SULM-Tagung «Gentests im Spannungsfeld zwischen Machbarkeit und Umsetzung»

The annual health policy conference of the Schweizerische Union für Labormedizin (Swiss Union for Laboratory Medicine, SULM) will be held on Tuesday, 24th of June 2014 in Bern. The program and registration form can be found on www.sulm.ch.

The shipping of the next survey is

Tuesday June 03, 2014

Further survey dates are on

Tuesday August 26, 2014

Tuesday november 04, 2014

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

Best Regards



Dr. R. Fried