



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

Comment to Survey 2016-1

General information

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

Important: Mandatory survey sample 2016

As of 2016, survey samples are mandatory for all urine test strips and pregnancy tests.

H3 – Differential blood smear

Smear H3-A is from a patient with a hamangiom on the liver. Smear H3-B is from a patient with severe immunthrombocytopenia (ITP).

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

H4 – Parasites in the blood

The sample contained Plasmodium vivax with a parasitemia of 1%. Schizonts with merozoites can be seen in the smear. 14-20 merozoites are typical for P.vivax. P. ovale has only 6-12 merozoites per schizont.

K3 / K18 - HbA1c

From the survey specimens, the European Reference Laboratory for Glycohemoglobin measured a DCCT compliant HbA1c value of 8.03 % for the sample A, and 8.86 % 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 contains human blood; all tests should give «positiv».

U2 - Urinteststrips

The sample contained urine from healthy donors and had only few erythrocytes, protein and HCG. The quantitative analysis yielded 0.861 g/L protein and 2 erythrocytes per microliter.

U3 - Urine drugs

To one liter of urine was added 150 µg 11-Nor-d9_carbonic acid, 150 µg d9-THC, 1500 µg D,L-methamphetamine and 2000 µg D,L-amphetamine. Correspondingly, cannabis, methamphetamine and amphetamine were supposed to be positive, all other analyses negative.

In tests that essentially measure only D-methamphetamine (such as Triage TOX), methamphetamine was below the decision threshold of 1000 µg/L. These tests are also less sensitive in patient samples. The THC concentration in the sample was close to the decision threshold, which is why we accepted negative and positive.

B1 und B2 - Microbiology

We sent you the following samples:

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

B2 Uricult 100 ml of buffer solution and a pellet without bacteria.
We expected results between 0 and 10⁴ CFU

B10 – Gram - stain

The joint puncture biopsy contained Gram-positive cocci in chains (*Streptococcus pyogenes* group A).

Shipping dates of the next surveys

The shipping of the next survey is: 7. June 2016

Further survey dates are on 30. August 2016, 1. November 2016 and 28 February 2017

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.

Best regards



Dr. R. Fried