ESfEQA
European Society for External Quality Assessment

Survey for Hemogram (HEM12, HEM4, HEM2)

EQA Provider: ESfEQA GmbH Heidelberg

Survey Coordinator: Dr. D. Groche

Instructions for Use

Notes:

The usual precautions in the laboratory for potential hazardous samples apply for these samples. The blood donations used for production were found to be non-reactive for HBsAg and anti-HCV and negative in NAT testing for HIV 1/2 and HCV(RNA). Each unit is also negative by a serological test for Syphilis (RPR).

Various tasks of the proficiency testing scheme may occasionally be given over to qualified subcontractors. However, ESfEQA is responsible to the participants for the subcontractor's work.

Results from sample analysis may only be disclosed to colleagues from other laboratories after the testing period has been concluded.

By registering for and participating in this EQA participants agree to accept the general terms and conditions of ESfEQA GmbH. These can be retrieved online at www.esfeqa.eu.

1. Intended Use

The samples are intended for use as quantitative control material for External Quality Assessment (EQA) in medical laboratories for the following analytes:

HGB (Hemoglobin), HCT (Hematocrit), MCH (Mean Corpuscular Hemoglobin), MCHC (Mean Celluar Hemoglobin Concentration), MCV (Mean Corpuscular Volume), PLT (Platelets), PDW (PLT Distribution Width), RBC (Red Blood Cells), WBC (White Blood Cells), RDW (RBC Distribution Width), MPV (Mean Platelet Volume)

ADVIA 2120 and ADVIA 2120i analyzers users: There are no NRBCs in the controls. For the parameter WBC, report the WBCb leukocytes of the baso channel (screen « RUN » on the analyzer). The leukocyte number may be underestimated in the WBCp of the perox channel.

SYSMEX analyzers users: There are no NRBC in the controls. For the parameter WBC, report the TNC-N value (Total Nucleated cells) of the WNR channel on your analyzer (« service » tab). The leukocyte number may be underestimate in the WBC-N channel.

PLT on **Mindray BC-6000, BC-6800** or **BC-700 series**: users with PLT-O, PLT-I and PLT-H results are requested to report PLT-I results only.

2. Product Description

Plasma like fluid that contains stabilized human red blood cells, white blood cells and platelets of human and/or non-human analogs.

3. Storage and Stability

The samples should be stored upright at 2-8°C. They are stable at least until the deadline for data submission as indicated on the sample labels.
After opening the samples are stable for 7 days.

4. Sample Preparation and Analysis

Allow the sample to equilibrate to room temperature for 15 minutes prior to testing. Before use, gently agitate the tube until the sedimented blood cells have been completely suspended. Therefore, roll the tube slowly between the palms of the hands ten times in an upright position.
Occasionally invert the tube, but do not shake the sample.

Continue to gently agitate the sample until the blood cells have been completely suspended. Don`t use a mechanical mixer, this may cause cell damage.

Directly before use, gently invert the tube another 10-15 times.

Incomplete mixing of a vial prior to use invalidates both the sample withdrawn and any remaining material in the vial.

All samples shall be treated the same way as patient samples and analyzed in accordance with the instructions of the instrument and reagent manufacturer.

5. Dates and Submission of Test Results

Testing Periods: Please refer to the sample labels. Results can be submitted anytime within the testing period indicated on the sample labels.

Please submit your results electronically to ESfEQA at https://teqa.esfeqa.eu.

Contact your local distributor of ESfEQA programs or ESfEQA directly if you need assistance with the registration in TEQA. Alternatively, though not preferred, use the result form provided on the ESfEQA homepage. In both cases, please indicate the instrument and method used for the analysis of the sample.

6. Deadline for Data Submission

The deadlines for submitting results are indicated on the sample labels (time zone GMT +1).

7. Reports and Certificates

The data will be evaluated by ESfEQA. The individual laboratory reports and certificates can be retrieved online at https://teqa.esfeqa.eu.

ESfEQA GmbH
Siemensstr. 38
69123 Heidelberg
Germany

Phone: + 49 6221 4166-700
Fax: + 49 6221 4166-790
info@esfeqa.eu
www.esfeqa.eu