

## Survey for Clinical Chemistry (CC2)

EQA Provider: ESfEQA GmbH  
Heidelberg

ESfEQA Head of Operations: 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, anti-HIV 1/2 and anti-HCV.

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.

#### 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:

Albumin, ALP, ALT/GPT, Amylase, AST/GOT, Bilirubin-direct, Bilirubin-total, Calcium, Calcium (ionized), Chloride, Cholesterol, CK, Creatinine,  $\gamma$ -GT, Glucose, HDL Cholesterol, Iron, Lactate, LDH, LDL Cholesterol, Lipase, Lithium, Magnesium, Phosphate, Potassium, Sodium, TIBC, Total Protein, Triglycerides, Urea, Uric Acid

#### 2. Product Description

The samples are lyophilized material based on human serum.

Sample 1: CC2\_2018\_01\_a  
Sample 2: CC2\_2018\_01\_b

#### 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 below.

The samples are stable after reconstitution in tightly recapped vials for:

- 1 day at 18-25°C
- 5 days at 2-8°C (Bilirubin, ALT/GPT: 2 days)

#### 4. Sample Preparation and Analysis

Remove the screw cap from the vial and pipette exactly 5 ml of distilled or deionized water to the lyophilisate. Keep the control sample for about 30 minutes at rest in a light-protected place, gently agitate the vial occasionally until the lyophilisate is completely dissolved.

The samples should be treated the same way as patient samples and run in accordance with the instructions of the instrument and reagent manufacturer.

#### 5. Dates and Submission of Test Results

Testing Period for Sample 1 and 2: 09/04/18 – 30/04/18

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 registration in TEQA. Alternatively, though not preferred, use the fax form provided on the ESfEQA website. In both cases indicate the instrument and method used for the analysis of the samples.

#### 6. Deadline for Data Submission

Deadlines for data submission are (time zone GMT +1):

Sample 1 and 2: 30/04/18

#### 7. Data Evaluation and Reports

The individual laboratory reports can be retrieved online at <https://teqa.esfeqa.eu>. The reports will be available within 3 weeks after the deadline of data submission.