

Survey for HBV Molecular Testing (HBVM)

EQA Provider: ESfEQA GmbH
Heidelberg

ESfEQA Head of Operations: Dr. D. Groche

Instructions for Use

Notes:

The samples should be considered as potentially infectious. The usual precautions in the laboratory for potential hazardous samples apply for these samples. The samples should be handled by trained personnel only.



WARNING: This product contains human source material and should be considered as potentially infectious.

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 qualitative and quantitative control material for External Quality Assessment (EQA) in medical laboratories for the following parameters:

HBV DNA qualitative
HBV DNA quantitative

It is recommended that participants using devices or methods, which provide quantitative values, **also submit values for** the corresponding **qualitative parameters**.

This will enable the participants to compare their results with all laboratories.

2. Product Description

Sample 1: HBVM_2023_03_a
Sample 2: HBVM_2023_03_b
Sample 3: HBVM_2023_03_c
Sample 4: HBVM_2023_04_a
Sample 5: HBVM_2023_04_b
Sample 6: HBVM_2023_04_c

The lyophilized samples are prepared from human material with additives for formulation and stabilization. The samples are based on human serum. Positive samples contain inactivated whole virus.

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. Once the lyophilized survey samples are reconstituted (with sterile, nuclease-free ddH₂O), the analytical components will be stable for 8 hours when stored tightly capped at 2-8°C.

4. Sample Preparation and Analysis

In order to ensure that all lyophilized sample material is at the bottom of the tube, briefly spin the tube with the lyophilized control (e.g., 30 seconds at 14.000 rpm) before opening.

Reconstitute each lyophilized survey sample by pipetting 1.2 mL of Molecular/PCR grade ddH₂O (sterile, nuclease-free). Allow the control to reconstitute for 10-15 minutes, gently swirl and invert the closed tubes to ensure homogeneity.

After reconstitution of the samples, they should be handled/treated like patient samples (serum samples), and nucleic acid extraction and testing should be conducted in accordance with the instructions of the instrument and reagent manufacturers.

5. Dates and Submission of Test Results

Testing Period for Samples 1 to 3: 10/07/23 - 31/07/23
Testing Period for Samples 4 to 6: 16/10/23 - 07/11/23

For the evaluation of survey results, please indicate the reagent (used for NAT/PCR) and instrument (e.g. thermal cycler, real-time PCR detection system) - indication of the method is optional - and submit your results electronically to ESfEQA at www.esfeqa.eu.

Contact your local distributor of ESfEQA programs or ESfEQA directly if you need assistance for the registration, configuration and result submission in TEQA. Alternatively, though not preferred, use the result form provided on the ESfEQA website. In both cases indicate the reagent and instrument used for the analysis of the samples - indication of the method is optional.

All entries are confirmed by pressing the button "confirm". The successful transmission of the results is indicated by "data saved".

6. Deadline for Data Submission

Deadline for data submission (time zone GMT +1):

Samples 1 to 3: 31/07/23
Samples 4 to 6: 07/11/23

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>. The reports and certificates will be available within 3 weeks after the deadline of data submission.