NHS NEQAS
Excellence in Quality

External Quality Assessment (EQA)

Clinical Chemistry – Monthly Program

Ref	571a-GC	27 Analytes ~	Pack Size	12 x 2 ml
	571b-GC	61 Analytes		12 x 5 ml

Instructions for Use
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.

Intended Use
The NHS-NEQAS Clinical Chemistry (Monthly) Program is specifically designed to offer an independent and confidential assessment of individual laboratory performance. It also facilitates a comparative analysis of the methods employed by various participating laboratories.

Product Description
This product is meticulously prepared using human serum, supplemented with specific chemicals, purified biochemical materials sourced from human and animal tissues, and stabilizers. The samples are in liquid form, ready for use, and are serum-based.

Storage and Stability
To ensure optimal performance and reliability, the samples should be stored upright at temperature 2-8°C.

In General, the sample remain stable till the date of submission, with only few exceptions:

- Creatinine Kinase (test immediately upon opening of vial)
- Alkaline phosphatase, Acid phosphatase and Bilirubin (within 4 hours)
- Other enzyme and glucose (Analyze within 24 hours of opening vial)

Detailed testing instructions:

Before testing, it's essential to open the vial carefully by rotating the cap clockwise, allowing the seal to break and revealing the attached orifice on the vial neck. Please do not attempt to remove it.

Gloves should be put on before opening the container and should be kept on throughout the period specimens are handled. Replace gloves if contaminated, or if their ability to function as a barrier is compromised.

Ensure that the specimens reach room temperature before sampling. Gently invert the vials 4-5 times to ensure homogeneity, without the use of a mechanical mixer.

Transfer the specimen to a sample cup by inverting the vial. After sampling, promptly replace the cap and return the specimen vials to the refrigerator. It's crucial to limit exposure to room temperature.

These samples should be treated and analyzed just like routine samples, following the instructions provided by the instrument and reagent manufacturer. Ideally, samples should be tested within 48 hours of receipt.

Limitations
1) Do not use this product past its expiration date.
2) If there is any evidence of microbial contamination or excessive turbidity in the reconstituted product, discard the vial.
3) This product is not intended for use as a standard.

Reporting Information
The program entails a monthly presentation of results obtained for each analyte from the analysis of samples with unknown concentrations. While entering the results, please select the appropriate instrument, method, and reagent from the drop-down menu. If any of them is not listed, contact us, and we will add it for you. Ensure the accuracy of all reporting codes by reviewing the online result form; results cannot be changed once submitted.

Timing of Assays
Each sample result online submission date is updated in the calendar on the nhs-neqas.com website. There are twelve samples to be assayed over a twelve-month period, with one sample each month.

Deadline for Data Submission
Please check our website nhs-neqas.com for further information regarding the date of submission.

Reports and Certificates:
The data will be evaluated by NHS-NEQAS, and individual laboratory reports can be retrieved online via our website. The report of every round will be available within two days after deadline of result submission.

Confidentiality:
We highly value participant confidentiality. Each laboratory is uniquely identified by a code known only to NHS-NEQAS and the participant. Results from sample analysis should not be disclosed to colleagues from other laboratories before the testing period concludes.

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

- Acid phosphatase, prostatic
- Acid phosphatase, total
- Albumin ~
- Alkaline Phosphatase~
- ALT/SGPT ~
- Amylase, pancreatic
- Amylase, total ~
- Angiotensin Converting Enzyme (ACE)
- Apo-A1
- Apo-B
- AST/SGOT ~
- Bicarbonate
- Bile acids
- Bilirubin, direct ~
- Bilirubin, total ~
- Calcium ~
- Calcium adjusted
- Calcium, ionized
- Chloride ~
- Cholesterol (HDL)
- Cholesterol (LDL)
- Cholesterol (non-HDL)
- Cholesterol (Total) ~
- Cholinestease
- Ck, total ~
- Copper
- Creatinine ~
- D-3-Hydroxybutyrate
- EFGR
- Fructosamine
- Gamma GT ~
- GLDH
- Glucose ~
- HBDH
- Iron ~
- Lactate
- LD (LDH) ~
- Lipase
- Lithium ~
- Magnesium ~
- NEFA
- Osmolality ~
- Phosphate, inorganic ~
- Potassium ~
- Protein, total ~
- Sodium ~
- TIBC ~
- Triglycerides ~
- UIBC
- Urea ~
- Uric acid ~
- Zinc

Hormones

- CA 125
- Cortisol
- Ferritin
- PSA
- T3 (Free)
- T3 (Total)
- T4 (Free)
- T4 (Total)
- TSH

Warning ⚠

This product contains biological source material and should be treated as potentially infectious. Each human donor unit used in its manufacturing process has been rigorously tested for evidence of infection due to Human Immunodeficiency Virus (HIV),Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV), with non-reactive or negative results. However, it may contain other human source materials for which there are no approved tests. Therefore, it should be handled with the same precautionsused with patient specimens, following good laboratory practice.

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Handle as Biohazard Material