NHS NEQAS

Excellence in Quality

NHS-NEQAS is an External Quality Assessment Scheme (ISO 17043 Certified) to ensure quality testing in Medical laboratories.

Participating in EQA gives laboratories added confidence in reporting their patient test results as well as fulfil any regulatory requirements.

Pathology Laboratory must participate in EQA Program while applying for ISO 15189 from any authorizing bodies.

Molecular Diagnostics EQA Outstanding Features

- Liquid ready to use
- Human based, EDTA Plasma
- No reconstitution is required, eliminating the potential for reconstitution errors
- High quality matrix to ensure lot-to-lot reproducibility
- Samples of the respective EQA scheme are suitable for applying DIFFERENT platforms for the detection.
- Lab Friendly Storage
- 48 hours to report result after receipt of samples

Monitoring EQA Performance

Each EQA report should be evaluated using step by step approach consisting of the following three steps:

- Investigate the problem Source
- Corrective actions
- Confirm the effectiveness of corrective actions

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Molecular Diagnostics

This program includes 2 analytes for testing.

- HCV
- HBV

Cat No	Pack size	Analytes	Sample	Cycle
603-HCV	4 x 1 ml	HCV	Every 3 Months	12 Months Cycle
603-HBV	4 x 1 ml	HBV	Every 3 Months	12 Months Cycle

Systematic Errors

- Prepare fresh reagents & re-run sample
- Perform staff training
- Perform instrument maintenance
- Recalibrate instrument
- Review reagent/sample storage
- Check pipettes

Clerical Errors

- Transcriptive Error
- Incorrect Units Used
- Incorrect Sample Tested
- Incorrect Method Classification
- Calculation/conversion Error

Systematic Errors

- Sample/reagent prep/handling
- Reagent/calibrator
- Instrument/calibrator fault
- Inexperience operators
- Reagent deterioration
- Inappropriate method

Random Errors

- Bubbles in reagent
- Bubbles in reagent/sample pipette
- Temperature Fluctuations
- Poor Pipetting Technique
- Poor Operator Technique