

NHS-NEQAS is an External Quality Assessment Scheme (ISO 17043 accredited) 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.



## Serology EQA Outstanding Features

- Liquid ready to use
- Human based, EDTA Plasma
- This program includes up to 14 analytes for testing
- Comprehensive menu of the most commonly tested
- Hepatitis, HIV and other serology analytes
- No reconstitution is required, eliminating the potential for reconstitution errors
- Bottle with attached dropper with cap, eliminating the need to use a pipette
- High quality matrix to ensure lot-to-lot reproducibility
- Extensive reporting of the appropriate sample every month
- 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



## Serology

This program includes 14 analytes for testing.

- Anti-HAV
- HAV IgG
- HAV IgM
- HBsAg
- Anti-HBs
- HBeAg
- Anti-HBe
- Anti-HBc
- HBc IgM
- Anti-HCV
- Anti-HIV-1
- Anti-HIV-2
- Anti-HIV-1/2
- Anti-HTLV-I

Cat No	Pack size	Analytes	Sample	Cycle
456-SS	12 x 2 ml	14	Sample Every Month	12 Months Cycle

## Trouble Shooting - Systematic Errors

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

## Common Cause of different Errors

### 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



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