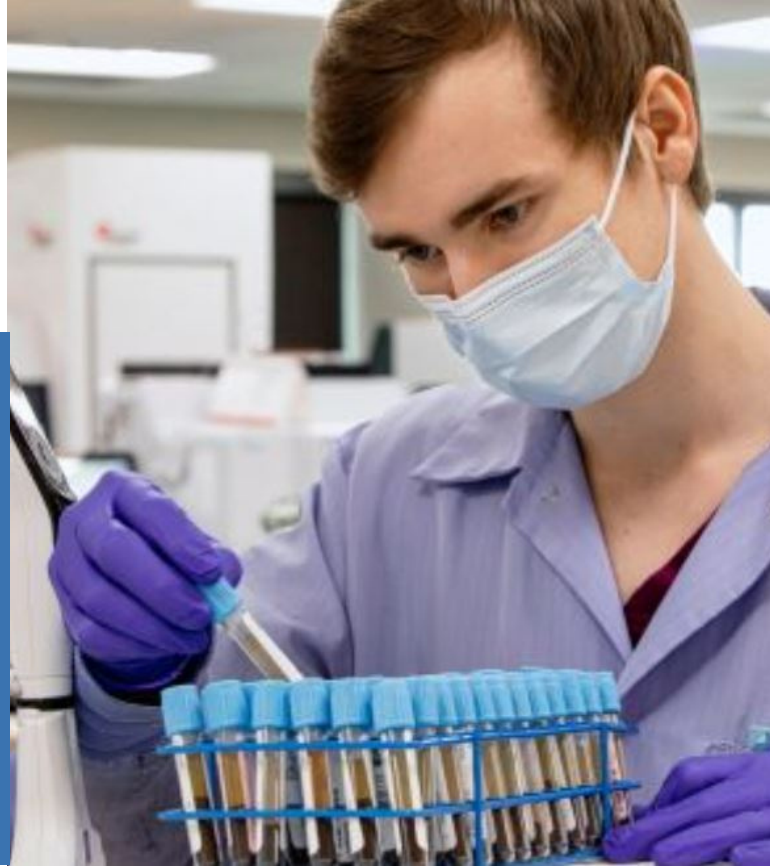


NHS-NEQAS is an External Quality Assessment Scheme (ISO 17043 Certified) to ensure quality testing in Medical laboratories.

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.



Immunoassay EQA Outstanding Features

- Liquid ready to use
- Human serum based
- This program includes up to 61 analytes for testing
- No reconstitution is required, eliminating the potential for reconstitution errors.
- Bottle with attached orifice, eliminating the need to use a pipette
- Borosilicate glass Bottle to enhance the stability of the analytes
- Non-reactive against HIV, HBV, and HCV
- Ideal controls for poor testing
- 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



Immunoassay

This program includes up to 61 analytes for testing.

- ACTH
- Angiotensin Converting Enzyme (ACE)
- Aldosterone
- Alpha-fetoprotein (AFP) ~
- AMH
- Androstenedione
- BNP
- C-Peptide
- CA 125 ~
- CA 15-3
- CA 19-9
- CA 27-29
- Calcitonin
- CEA ~
- Cortisol ~
- DHEA Sulfate ~
- DHEA
- Estradiol ~
- Estriol, Free (UE3)
- Ferritin ~
- FSH ~
- Folate ~
- Fructosamine
- Gastrin
- hCG ~
- hGH ~
- Immunoglobulin E (IgE)
- Insulin ~
- Intact PTH ~
- LH ~
- NSE
- Progesterone ~
- Prolactin ~
- Plasma Renin Activity
- PSA ~
- PSA (Free)
- PSA (Free/Total Ratio)
- Sex Hormone Binding Globulin (SHBG)
- T3 Free ~
- T4 Free ~
- T3 ~
- T4 ~
- TSH ~
- Transferrin
- Troponin I
- T-Uptake
- Thyroid Binding Globulin (TBG)
- Testosterone ~
- Testosterone (Free) ~
- Thyroglobulin (Tg)
- Vitamin B12 ~
- Vitamin D ~
- β -2 Microglobulin
- 11-Deoxycortisol
- 17- α -OH-Progesterone

Therapeutic Drugs

- Theophylline
- Digoxin
- Valproic Acid
- Phenobarbital
- Phenytoin
- Carbamazepine

Note: ~ represents analytes for Catalogue number 121a-IA

Cat No	Pack Size	Analytes	Sample	Cycle
121a-IA	12 x 2 ml	25 ~	Sample Every Month	12 Months Cycle
121b-IA	12 x 5 ml	61	Sample Every Month	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



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