

Postnatal Testing

- Various sample types
- Technical, analysis and Interpretation required
- Various technique can be used
- 4-6 weeks to submit results
- All EQA samples validated
- Detailed instructions provided
- Results assessed by expert panel
- Marking criteria based on professional guidelines
- ISO17043 accredited

EQA	Type of EQA	Sample Type	Testing	Techniques	ISO17043 Accredited
Blood – Postnatal	Technical, analytical and interpretation	Online images	Whole genome analysis microscope	G-banded karyotype and FISH	✓
Chromosome Breakage syndromes	Technical, analytical and interpretation	Online Images	Chromosome breakage for Fanconi anaemia, Blooms, Ataxia Telangiectasia, Nijmegen syndrome	Chromosomal techniques	X
Constitutional Copy Number Variation (CNV) - Postnatal	Technical, analytical and interpretation	DNA	Whole genome analysis (CNV)	Array/NGS	✓
Induced Pluripotent Stem (IPS) cells (pilot)	Technical, analytical and interpretation	Online images	Whole genome analysis, microscope and CNV	G-banded	X
Microdeletion syndromes (pilot) *NEW*	Technical, analytical and interpretation	DNA/Fixed cells	Chromosomal regions with common microdeletions	MLPA/FISH	X
Severe developmental delay case scenario (pilot)	Interpretation only	Online images	Multiple tests/assays to detect genomic causes of severe developmental delay	Includes interpretation of supplied molecular and cytogenetic results	X

For further information on these EQAs contact us at info@genqa.org
Please see overleaf for more EQA information
Email: info@genqa.org

2020 EQA



Collaboration between CEQAS and UK NEQAS Molecular Genetics
Members of UK NEQAS consortium

GenQA EQA Specialties

Molecular Genetic Disorders

Variant Classification and Interpretation

Molecular Pathology

Sample Handling: DNA extraction & quantification

Newborn Screening

Preimplantation Genetic Testing

Haematological Neoplasms

Technical: Next Generation Sequencing

Constitutional Postnatal Testing

Prenatal (including Non-Invasive) Testing

Clinical Genetics

Individual Competency Assessment (G-TACT / Tissue-i)

For further information, please contact us at info@genqa.org

The EQA Cycle

