

## Preimplantation Genetic 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
Trophectoderm and/or blastomere testing for monogenic disorders (Stage 1 & 2)	Technical, analytical and interpretation	DNA and cells	Monogenic disorders	Any molecular technique	✓
Trophectoderm and/or blastomere testing for aneuploidies	Technical, analytical and interpretation	DNA	Aneuploidies	Array/NGS	X
Trophectoderm and/or blastomere testing for chromosomal rearrangements	Technical, analytical and interpretation	DNA	Structural rearrangements	Array/NGS	X
Blastomere testing by FISH (Stage 1 & 2)	Technical, analytical and interpretation	Online images	Aneuploidy and structural rearrangements	FISH	✓
Polar bodies testing by NGS and/or arrays	Technical, analytical and interpretation	DNA	Aneuploidy and structural rearrangements	Array/NGS	X

For further information on these EQAs contact us at [info@genqa.org](mailto:info@genqa.org)  
Please see overleaf for more EQA information  
Email: [info@genqa.org](mailto: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 (PGT)

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](mailto:info@genqa.org)

## The EQA Cycle

