

Molecular Pathology

- Formalin Fixed Paraffin Embedded (FFPE) samples
- Analysis, Genotyping and Interpretation required
- Any molecular technique can be used
- 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		Testing	ISO17043 Accredited
Colorectal cancer	Option 1 core Option 2 mismatch repair (MMR) Option 3 Extended MMR	<ul style="list-style-type: none"> • <i>RAS, NRAS</i> and <i>BRAF</i> • Option 1 and <i>MLH1</i> promoter • Option 2 and MSI 	✓
Lung cancer	Option 1 EGFR Option 2 core Option 3 comprehensive Option 4 fusions	<ul style="list-style-type: none"> • <i>EGFR</i> only • <i>EGFR, ALK</i> and <i>ROS1</i> • <i>EGFR, ALK, ROS1, KRAS, BRAF, PIK3CA, RET, MET</i> • <i>ALK, ROS1, RET</i> and <i>MET</i> 	✓
Melanoma		<i>BRAF, KIT +/- NRAS</i>	✓
Gastrointestinal Stromal Tumours (GIST)		<i>KIT, PDGFRA</i>	✓
Sarcoma		FISH and/or NGS/RT-PCR	X
Microsatellite instability (MSI)		MSI, <i>BRAF, MLH1</i> promoter methylation	✓
NTRK pan cancer PILOT *NEW*		<i>NTRK</i> fusions using NGS	X
Endocrine Tumour panel PILOT *NEW*		Somatic variants in endocrine tumours using NGS	X
Molecular tissue identification		Molecular fingerprinting assays performed on tissue	X
Tumour expression profiling *NEW*		Tumour gene expression panels	X
BRCA testing in ovarian cancer - somatic		<i>BRCA1</i> and <i>BRCA2</i> (tumour sample)	X
BRCA testing in ovarian cancer - germline		<i>BRCA1</i> and <i>BRCA2</i> (germline DNA sample)	X
Central Nervous System (CNS) tumours		FISH and/or any method 1p/19q status <i>IDH1, IDH2</i> <i>MGMT</i> methylation +/- <i>BRAF</i>	✓
Neuroblastoma		Online analysis only	X
Circulating free (cf) DNA testing in lung cancer		<i>EGFR</i>	X

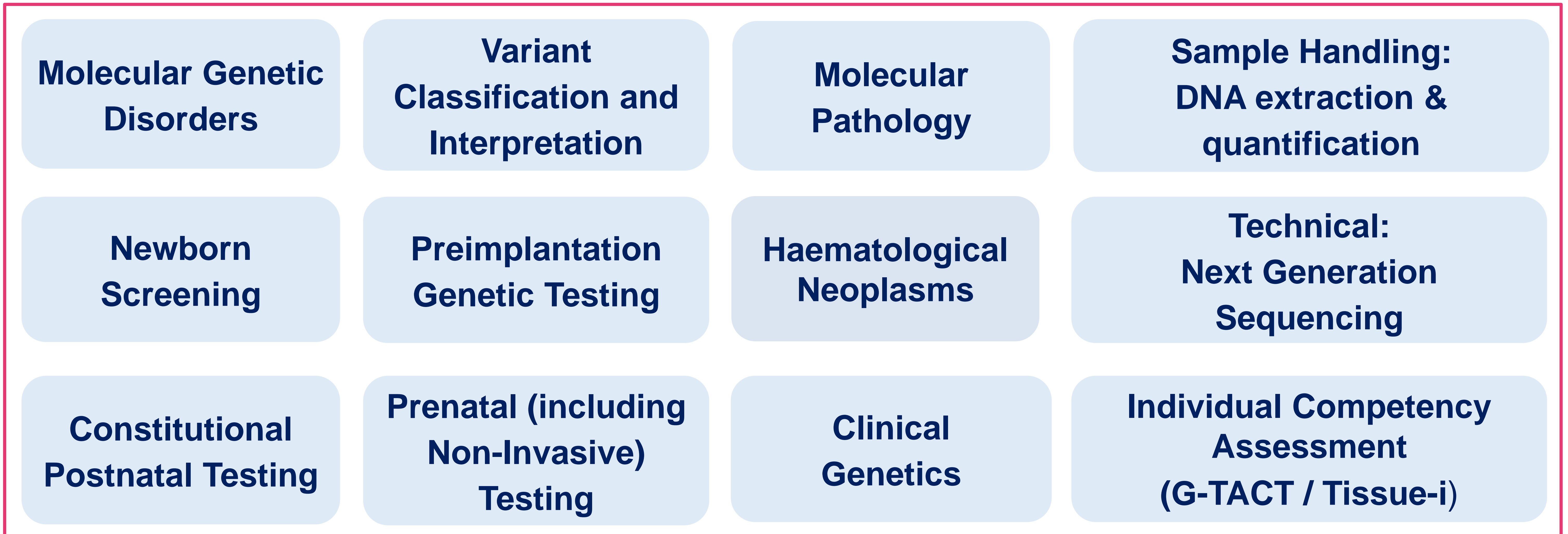
For further information on these EQAs contact us at info@genqa.org
Please see overleaf for more EQA information
Email: info@genqa.org

2020 EQA



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

GenQA EQA Specialties



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The EQA Cycle

