

Molecular Pathology EQAs 2019

- 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 | Required testing | Optional testing | ISO17043 Accredited |
|---|---|--|---------------------|
| Colorectal cancer | <i>KRAS</i> <i>NRAS</i> | <i>BRAF</i> <i>PIK3CA</i> | ✓ |
| Lung cancer | <i>EGFR</i> <i>ALK</i> | <i>KRAS</i> <i>BRAF</i> <i>PIK3CA</i> | ✓ |
| Melanoma | <i>BRAF</i> <i>KIT</i> | <i>NRAS</i> | ✓ |
| Gastrointestinal Stromal Tumours (GIST) | <i>KIT</i> <i>PDGFRA</i> | - | ✓ |
| Microsatellite Instability (MSI) | Microsatellites | <i>BRAF</i> methylation of <i>MLH1</i> promoter | ✓ |
| Sarcoma | FISH and/or NGS/RT-PCR | - | X |
| Additional Lung Biomarkers | <i>ROS1</i> and/or <i>RET</i> and/or <i>MET</i> | - | X |
| Molecular tissue identification | Molecular fingerprinting assays performed on tissue. | - | X |
| BRCA testing in ovarian cancer - somatic (joint with EMQN) | <i>BRCA1</i> and <i>BRCA2</i> (tumour sample) | | X |
| BRCA testing in ovarian cancer - germline (joint with EMQN) | <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</i> , <i>IDH2</i> <i>MGMT</i> methylation | <i>BRAF</i> (additional genes in development) | ✓ |
| Neuroblastoma | FISH and array | | X |
| Circulating free (cf) DNA testing (IQNPath collaboration) | To be confirmed | | X |

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

GenQA EQA Specialties

Molecular Genetic Disorders

Molecular Rapid Aneuploidy (MRA)

Molecular Pathology

Sample Handling:
DNA extraction & quantification

Newborn Screening

Non-Invasive Prenatal Testing (NIPT)

Haematological Neoplasms

Technical:
Next Generation Sequencing

Constitutional Postnatal Testing

Constitutional Prenatal Testing

Clinical Genetics

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

For further information, please contact us at info@genqa.org
Registration for all GenQA EQAs for 2020 will open in September 2019

The EQA Cycle

