



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

Next Generation Sequencing (NGS) EQA

- Assess data accuracy
- Use any platform/technology
- Test single gene(s), gene panel or whole genome
- Submit up to 3 different sets of data per EQA
- 8 weeks to submit results
- All EQA samples validated
- Detailed instructions provided
- Results assessed by expert panel
- Marking criteria based on professional guidelines
- Offered in collaboration with EMQN

EQA 2019

	NGS inherited disorders (germline)	NGS somatic		
Samples provided:	Genomic DNA	DNA extracted from fresh frozen tumour tissue and matched germline DNA from blood		
Procedure:	Perform sequencing for the genes usually tested during your routine diagnostic NGS procedures			
Files accepted:	FASTQ ✓	BAM ✓	VCF ✓	BED ✓
Data submission:	Upload files via online portal (automated assistance provided for correct format upload)			

Sample Handling EQAs for 2019

DNA extraction from blood samples
 DNA extraction from formalin fixed paraffin embedded (FFPE) tissue samples
 DNA extraction from fresh frozen (FF) tissue samples
 DNA extraction from saliva samples
 DNA quantification

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

