

ONLINE GENOMICS COMPETENCY TOOL

Provides continued assessment of an individual's ability and competence to perform both routine and non-routine laboratory tasks.

Genomics - Training, Assessment and Competence Tool

- **GenQA website access**
Select a virtual laboratory scenario via genqa.org
- **Task scenarios randomly generated**
No two individuals will complete the exact same task
- **Automated assessment**
Scores based on the participant's competency
- **Complete at your own pace**
Participation is active throughout the year
- **Training/Performance review**
Tailor scenarios to local policy/training requirements

G-TACT MODULES

Sample Reception

Assess an individual's competency to determine whether a sample received in the laboratory is suitable for receipt and testing

Variant Analysis

Assess an individual's competency to determine the pathogenicity (and classification) of a single nucleotide variant (SNV).

Data Analysis

Assess an individual's competency to determine whether results data (e.g. sequencing) is suitable for reporting.

Report Authorisation

Assess an individual's competency to determine whether a laboratory report is suitable for authorisation.

Email: info@genqa.org

Please see overleaf for more information

G-TACT PILOT MODULES (LIMITED AVAILABILITY)

BRCA Variants Classification Run 3 (2019)

Determine the pathogenicity and classification of 15 BRCA variants

Single Nucleotide Variant (SNV) Classification Run 2 (2019)

Determine the pathogenicity and classification of 3 SNVs

***NEW* Copy Number Variation (CNV) Classification Run 1 (2019)**

Determine the pathogenicity and classification of 3 CNVs

***NEW* HaemOnc SNV Classification Run 1 (2019)**

Determine the pathogenicity and classification of 3 SNVs for haematology disorders

- Trial modules are open for a fixed length of time (usually 4-8 weeks).
- All participants must submit results by the closing date.
- A summary report of all results will be provided.

G-TACT RESULTS DASHBOARD

For Individual G-TACT users:

Individual Performance

Summary of individual participations and outcomes for each module

For G-TACT line managers:

Laboratory Performance

Review outcomes and frequency of participation of laboratory individuals to determine competency and identify training needs.