

EQA Scheme for cfDNA testing for EGFR mutations in lung cancer

1. Who are EMQN and GenQA?

EMQN CIC and GenQA are both established UK based large, global EQA providers in the field of genomics. Both EQA providers are ISO 17043 accredited. This EQA scheme is not covered within each organisation's accreditation scope. EMQN and GenQA are collaborating to deliver this EQA scheme in 2020.

2. Scheme design

The scheme is designed to test your usual diagnostic workflow including cfDNA extraction from plasma, mutation analysis of the EGFR gene and the analysis and interpretation of the genotype. The scheme provides artificial reference materials which are designed to mimic cfDNA samples with clinically relevant mutations e.g. point mutations, deletions/insertions in the EGFR gene at appropriate variant allele frequencies (%VAF).

3. Registration period

Between 21st February 2020 and 31st March 2020

4. Target

Mutations in the EGFR gene

5. Sample materials

Artificial plasma containing cfDNA

6. Scheme format

- Assessment of genotyping, and biological and clinical interpretation
- For each case, participants are expected to return a clinical report which includes a complete interpretation of the results
- No restrictions on number of participants
- Open to laboratories from all countries
- 3 mock clinical cases with matching samples

7. Sample distribution date

September 2020 (exact date to be confirmed)

8. Reporting language

Reports accepted in English only

9. Cost

£350 (GBP) per laboratory

10. Performance criteria

Performance criteria will apply

11. Accreditation

This scheme is NOT covered by the scope of EMQN CIC's accreditation

12. Collaborator

GenQA (www.genqa.com)

13. How do I register?

If you want to participate, please log in to your EMQN CIC website account, go to the "Purchase" page and register for the 'cfDNA (EGFR gene)'. IMPORTANT: click the "Buy now" button to finalize the registration. Please note that both the main contact person AND additional staff members registered to the account can register for schemes.

This EQA scheme will be identical (same materials, deadlines, assessment, etc.) for each EQA provider. Consequently we request that you only register with one of the EQA providers and we kindly ask that you remain with that provider for future cfDNA EQA runs.

Please also consult our website for more details regarding registration, result submission, payment, timelines and the whole EQA scheme process: <http://www.emqn.org/emqn/Participation>

14. Confidentiality

- The fact that your laboratory participates in the scheme is not confidential. However, the raw data and performance scores are.
- Further information on our terms and conditions and privacy / confidentiality policies can be found on the EQA providers website (www.emqn.org or www.genqa.org).

15. Contact information

- office@emqn.org or info@genqa.org for any queries regarding registration or participation in the scheme.



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