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UK NEQAS BTLP Red Cell Genotyping (Geno) Pilot Programme

Exercise Instructions 26RCG4

Distributed on 23/11/2026 – Closing on 14/12/2026

Material provided

Please refer to the COSHH sheet provided for all Health and Safety aspects of the samples.
https://haembtlp.ipassportqms.com/document_download/M2ZlYWMzMTEtNTYwNi00YjEzLTg3YTItYTNmMzAzN2FiMGY5

Two whole blood sample (non-leucodepleted), representing samples from haemoglobinopathy patients, referred for genotyping to facilitate transfusion support.

Testing and Recording Results

Undertake red cell genotyping in the same way as you would for a similar clinical sample.

Report the genotype and predicted phenotype for D, Cc, Ee, MN, Ss, Kk, Fy^a, Fy^b, Fy, Jk^a, Jk^b, Do^a, and Do^b via the UK NEQAS website www.ukneqasbtlp.org, logging into the system using the PRN provided in the email notification of this exercise.

The responses (genotype and predicted phenotype) are presented as tickbox selections, using ISBT terminology where appropriate. There is an 'other' option should it not be possible to select an option that reflects the result obtained; however, please do not use this to report alternative terminology for a result that is included as one of the options. A table with ISBT terminology for common alleles can be accessed via the link below:
https://haembtlp.ipassportqms.com/document_download/ZGVhYWZhMjgtMzkzNS00MzRjLTk3OTMtYzhiOTNiZDRlZmYz

Note on reporting of GATA: It is appropriate to report FY*02 in the presence of FY*02N.01, it is appropriate to assume that "FY*Null" reported by genotyping platforms indicates the presence of FY*02N.01 (GATA mutation) and that this is carried on the FY*02 allele.

Instructions for using the data entry website can be found at
https://haembtlp.ipassportqms.com/document_download/NzA1YTI1NzAtNTYzMy00MmEzLTgwYWItNzM0Y2VmOWNlM2Nh

Reports

Individual and overall analysis of the results will be made available on the data entry website.

Additional information

None for this exercise

If you have any problems with the exercise material or any queries regarding completion of the exercise or submission of results, please contact the BTLP team for advice by email btlp@ukneqas.org.uk or phone +44 (0) 1923 587111.