Haematological Neoplasms EQA

- Various sample types
- Technical, analytical and interpretation
- All EQA samples validated
- Detailed instructions provided
- Results assessed by expert panel
- Marking criteria based on professional guidelines
- ISO17043 Accredited EQAs (where stated)

<table>
<thead>
<tr>
<th>EQA</th>
<th>Sample Type</th>
<th>Required Testing</th>
<th>ISO17043 Accredited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Leukaemia FISH (Pilot)</td>
<td>Three fixed cell samples</td>
<td>FISH analysis for copy number and structural rearrangements</td>
<td>✗</td>
</tr>
<tr>
<td>Acquired array (CLL/MDS)</td>
<td>Two DNA samples</td>
<td>Copy number analysis using array or NGS technology</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Inclusion of one optional</td>
<td></td>
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<tr>
<td></td>
<td>educational case for ALL</td>
<td></td>
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<tr>
<td>Acute Lymphoblastic Leukaemia (ALL)</td>
<td>Two online case scenarios</td>
<td>Analysis of G-band metaphases and FISH images</td>
<td>✓</td>
</tr>
<tr>
<td>Mature B&amp;T cell neoplasms (G-banded)</td>
<td>Two online case scenarios</td>
<td>Analysis of G-band metaphases and FISH images</td>
<td>✓</td>
</tr>
<tr>
<td>Mature B&amp;T FISH neoplasms (CLL and lymphoma)</td>
<td>Two fixed cell samples</td>
<td>FISH analysis for copy number and structural rearrangements</td>
<td>✓</td>
</tr>
<tr>
<td>Lymphoma (FFPE)</td>
<td>Two FFPE samples</td>
<td>FISH analysis for copy number and structural rearrangements</td>
<td>✗</td>
</tr>
<tr>
<td>Myeloid</td>
<td>Two online case scenarios</td>
<td>Analysis of G-band metaphases and FISH images</td>
<td>✓</td>
</tr>
<tr>
<td>Myeloma</td>
<td>One online case scenario</td>
<td>Analysis of FISH images</td>
<td>✓</td>
</tr>
</tbody>
</table>

*New EQAs coming soon*

TP53 mutation and ICH mutation status analysis in CLL
FISH chimerism of sex mismatched post-transplantation samples
Hereditary Leukaemia
Whole Genome Analysis for Mature B&T neoplasms and lymphoma

For further information on these EQAs contact us at info@genqa.org

Please see overleaf for more EQA information
Email: info@genqa.org
Receive validated EQA material plus clinical questions

Education/Internal review/Quality improvement

Compare laboratory performance (benchmark)

Expert evaluation of submissions

Analyze material using routine procedures

Upload genotyping results

The EQA Cycle

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

www.genqa.org

info@genqa.org