



















www.ukneqas-molgen.org.uk	Accredited EQA Scheme Reference No: 051
UK National External C	Quality Assessment Services (UKNEQAS)
"helping to ensure clin	nical laboratory test results are accurate, reliab
and comparable when	rever they are produced*
• UK NEQAS for Molecul	ar Genetics
• Established in	1991
• Provide EQA fo	or Molecular Genetics
• Self funding, r	oon-profit making scheme









- Follow up all Southern blot analysis for FRAX suspended
  - clinical cases sent on to other diagnostic lab
    - repeat samples supplied

UK NEQAS FOR MOLECULAR

UK NEQAS FOR MOLECULAR GEN

- methodology reviewed
- test with extra EQA samples



UK NEQAS FOR MOLECULAR GENETICS Accredited EQA Scheme Reference No: 051 www.ukneqas-molgen.org.uk Laboratory 3 Participated in Molecular Rapid Aneuploidy EQA Clinical case scenario - Patient with ultrasound abnormalities DNA sample extracted from CVS provided had normal chromosome complement for chromosomes 13, 18 and 21. Fetus was female. • Result submitted - Fetus was male • Follow up - lab appealed against marking - declared it was a clerical error in transcription of results into report - Appeal overruled - Poor performance stood - even a transcription/clerical error can affect the quality of the output of the lab UK NEQAS FOR MOLECULAR GENETIC

UK NEQAS FOR MOLECULAR GENETICS
www.ukneqas-molgen.org.uk
Laboratory 4
Participated in Cystic fibrosis EQA
Clinical case scenario
<ul> <li>Prenatal sample to be tested for CF</li> </ul>
DNA sample extracted from CVS had two CF mutations present
Result submitted – Fetus was a carrier of one CF mutation and therefore UNAFFECTED
Follow up - lab contact immediately following all EQA reports submission     - lab investigated
- staff interpretation of results incorrect
- staff on annual leave
- inadequate checking procedures in place

- service has been suspended until review of lab undertaken

UK NEQAS FOR MOLECULAR GENETICS Accredited EQA Scheme Reference No: 051 www.ukneqas-molgen.org.uk Errors detected by EQA Methodology based error Sample mix-up Error occurring when transferring result



Error in interpretation of result/insufficient staffing & checking procedure

UK NEQAS FOR MOLECULAR

















