

**CYTOGENETICS UNIT
ST. JAMES'S HOSPITAL
LEEDS**

Information sheet: FISH ANALYSIS

Reason for Referral

- Microdeletion/duplication syndromes (eg Smith Magenis Syndrome, DiGeorge Syndrome)
- Telomere screening in cases not appropriate for MLPA (in conjunction with Clinical Genetics Consultants)
- Haematology translocations
- Other oncology probes
- Aneuploidy screening (rapid post-natal testing e.g. Down Syndrome)
- Internal referrals (Marker identification, abnormality confirmation)
- Paraffin sections from selected tumours
- Fuller range of tests available on web-site.

Reporting of Results

- Molecular cytogenetic results are usually reported with routine analysis. This may lead to some delays in reporting.
- Unless stated, reports are based on the analysis of metaphase cells.
- In the case of complex results, the interpretation and implications will be discussed with the referring clinician.
- Surplus fixed material from FISH cases is usually saved for 2 years. If follow up or further studies are required for diagnostic purposes, it may be possible to do these without a repeat sample.