



Send samples to:

**Genetics Laboratory  
South East Scotland Genetic Service  
CGEM Building  
Western General Hospital  
Crewe Road  
Edinburgh  
EH4 2XU**

Arrange for immediate transport to the laboratory (van service or first class post).  
If this is not available, blood specimens should be refrigerated. **(DO NOT FREEZE)**

**Summary of blood samples required for routine tests**

Cytogenetic tests (other than microarray):

Blood in a Lithium Heparin tube - volume 1ml (babies) or 2ml (children and adults).

Molecular Genetic (DNA) tests or microarray:

Blood in an EDTA (KE) tube - volume 1ml (babies), 3ml (children and adults).

For both Cytogenetic and either microarray or other DNA tests TWO samples are required:

Blood in a Lithium Heparin tube - volume 1ml (babies) or 2ml (children and adults) *and*

Blood in an EDTA (KE) tube - volume 1ml (babies), 3ml (children and adults).

Consult our website (see below) for information about other sample types and specific requirements for certain tests.

It is your responsibility to ensure that samples are packaged to comply with the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2019) at

<https://www.unece.org/trans/danger/publi/adr/adr2019/19contentse.html>

ADR 2019 requires that this sample (unless subject to exceptions outlined in "infection control" below) is labelled:

**EXEMPT HUMAN SPECIMEN**

-----Fold along this line and place into specimen bag sleeve with delivery address showing-----

**Infection Control**

Both laboratories handle samples in accordance with procedures outlined in the National Infection Prevention and Control Manual: <http://www.nipcm.hps.scot.nhs.uk/>

The Cytogenetics Laboratory cannot accept samples from patients who have or are suspected of having Group 3 or 4 pathogens. The DNA laboratory is however able to extract DNA from these samples which must be labelled with a 'Danger of Infection' sticker.

Samples from individuals with a confirmed or suspected diagnosis of CJD are not extracted by the Molecular Genetics laboratory. DNA from such samples will be tested after extraction by the CJD Unit. Samples should be sent to Molecular Genetics, labelled with a 'Danger of Infection' sticker, with the CJD status clearly indicated on the form.

**Information for users of genetic tests**

The South East Scotland Genetic Service Cytogenetics and Molecular Genetics (DNA) Laboratories website should be consulted first for full details of tests available and sample requirements. This can be found at:

<https://services.nhslothian.scot/geneticservice/>

If the information there does not answer your question, please contact the appropriate section directly:

|   |  |                        |
|---|--|------------------------|
| Clinical Genetics (clinical enquiries only) |  | Tel 0131 537 1116      |
| Molecular Genetics (DNA) Lab                | Email <a href="mailto:loth.edinburghdna2@nhs.scot">loth.edinburghdna2@nhs.scot</a>     | Tel 0131 537 1116/1280 |
| Cytogenetics Lab                            | Email <a href="mailto:loth.wghcytogenetics@nhs.scot">loth.wghcytogenetics@nhs.scot</a> | Tel 0131 537 1183      |

**Incomplete or illegible forms, or use of incorrect blood tubes, will cause delay or rejection of samples.**