

# Appendix 1 – Fetal RhD Sample Collection



**Gwasanaeth Gwaed Cymru**  
**Welsh Blood Service**

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## FETAL RhD SAMPLE COLLECTION

### IMPORTANT SAMPLE HANDLING REQUIREMENTS

- FETAL RhD samples **MUST** be stored at room temperature. They must **NOT** be placed in a fridge or freezer.
- FETAL RhD samples must **NOT** be centrifuged.



1. Complete the Fetal RhD request card.

Complete all sections in full and ensure all details are legible. Please note that failure to do so may result in sample rejection. **Positive patient identification procedures must be followed.**

2. Blood samples must be taken in a **single 10ml EDTA tube**:

- Draw 10mls of blood into a single EDTA tube using a Vacutainer blood draw system.
- Try to fill the sample tube correctly because samples will be rejected if there is less than 9mL inside the tube.
- After blood is drawn into the tube, it is mandatory to mix the tube by gentle inversion 8-10 times.
- Label the tube with the sample identification and draw date.
- The samples and request card must each be labelled with identification, including the woman's name, date of birth and NHS number. A minimum of three points of identification on the sample and request card must match
  - The label on the sample **must be handwritten**. Addressograph labels will not be accepted.
  - Identification must include the woman's name, date of birth and NHS number.



3. Samples must be sent to the Welsh Blood Service Molecular Genetics laboratory in a timely manner, preferably within 24 hours of blood draw.

- Samples should be stored/transported at ambient temperature (approximately 22°C)
- Samples must reach the laboratory in time to be processed during laboratory working hours **within 5 days** post venepuncture (where day of collection is day 1).
- The normal laboratory working hours are Monday to Friday, 09:00 - 17:00 excluding Bank holidays

Please contact the laboratory if you have any queries relating to sample collection:

Molecular Genetics, Welsh Blood Service, Ely Valley Road, Pontyclun, CF72 9WB

Email: [molecular.genetics@wales.nhs.uk](mailto:molecular.genetics@wales.nhs.uk). Telephone: 01443 622186 (09.00-17:00)