COMPONENT STANDARD

WHOLE BLOOD PLASMA REDUCED

REASON FOR ISSUE: Document renumbered.

1. Component Name

Whole Blood Plasma Reduced – Leucocyte Depleted
(Red Cells for Exchange Transfusion – Leucocyte Depleted)

2. Component Description

Prepared from a leucocyte depleted whole blood donation by removing a proportion of plasma.

3. Technical Specifications

Volume:	250-450 mL
Leucocyte Count:	$<5 \times 10^6$/unit
Haematocrit:	0.45-0.55
Total Haemoglobin	$\geq$ 40 g/unit
CMV	Negative
High titre anti A or B:	Negative
Anticoagulant:	CPD

4. Donor Specification

Meets the requirements of the current edition of the Collection Standards and in addition is a regular donor who has donated at least once during the last 6 months.

5. Testing

Compliance with the White Blood Cell requirement will be monitored by statistical process control methods (SPC). A minimum of 75% of components tested must meet specifications for volume, haemoglobin and haematocrit.

Tests	**Frequency**
Volume	1%, minimum of 4 per month
Haemoglobin	1%, minimum of 4 per month
Haematocrit	1%, minimum of 4 per month

6. Storage and Expiry

The component may be stored for a maximum of 5 days at a temperature of 4°C $\pm$ 2°C for neonatal exchange transfusion.

For other users, it can be stored for up to 28 days at a temperature of 4°C $\pm$ 2°C.

Variation from the core temperature of 4°C ± 2°C must be kept to a minimum during storage and restricted to any short period necessary for examining, labelling or issuing the component. Exceptionally, i.e. due to equipment failure, red cells which have been prepared in a closed system and exposed to a core temperature not exceeding 10°C and not less than 1°C may be released for transfusion provided:

- The component has been exposed to a temperature beyond 4°C ± 2°C on one occasion only following processing.
- The duration of temperature change is not longer than 5 hours.
- The incident has been properly documented and an SOP is in place to deal with such an incident.

For neonatal use, if the component has been irradiated, use within 24 hours of irradiation. For adult use the component may be irradiated up to 14 days after collection and thereafter may be stored for a further 14 days before transfusion.

7. Transport

The transport system should have been validated to ensure that the component surface temperature can be maintained between 2°C and 10°C during transportation. Transport time normally should not exceed 24 hours.

In some instances it is necessary to issue red cell components that have not been cooled to their storage temperature prior to placement in the transit container. The transport temperature specified above is not applicable for such consignments.

8. Labelling

The label should include:

- Name of the component – Whole Blood Plasma Reduced – Leucocyte Depleted
- Volume
- Name of the collection centre*
- Donation number*
- ABO group*
- Rh(D) group stated as positive or negative*
- Name of the anticoagulant and composition
- Date of collection
- Date of expiry*
- The storage temperature
- Blood pack lot number*

(* eye readable and barcode format)

In addition the following instructions are included:

- Check the identity of the recipient and the component
- Inspect the pack for deterioration or damage
- Risk of adverse reaction/infection