

COMPONENT STANDARD
RED CELLS RESUSPENDED NEONATAL

REASON FOR ISSUE: Document renumbered.

1. Component Name

Red Cells Resuspended Neonatal – Leucocyte Depleted

2. Component Description

A red cell component prepared from a Whole Blood Donation of 450ml ± 10% that is suitable for neonatal use and contains less than 5 x 10⁶ leucocytes, and which has been suspended in an approved additive solution after removal of plasma and then split into approximately equal volumes using a closed system.

3. Technical Specifications

Volume:	55 – 85 mL
Leucocyte Count:	<5 x 10 ⁶ per starting unit
Haematocrit:	0.50-0.70
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 last 6 months.

5. Testing

Compliance with the WBC requirement will be monitored by statistical process control methods (SPC). A minimum of 75% of components tested must meet specifications for volume and haematocrit. A sterility check may be done as part of a total blood collection testing programme.

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

6. Storage and Expiry

This component may be stored for a maximum of 35 days at a temperature of 4°C ± 2°C.

If for some unavoidable reason the component is exposed to a temperature not exceeding 10°C and not less than 1°C it 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.

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- The duration of temperature change is not more than 5 hours.
- The incident has been properly documented and a SOP is in place to deal with such an incident.

If irradiation of the component is required, the requirements outlined in the Standards for Processing and Storage of Blood Components and Blood Products must be followed.

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 – Red Cells Resuspended Neonatal– Leucocyte Depleted*
- Volume
- Name of the collection centre*
- Donation number*
- ABO group*
- Rh(D) group stated as positive or negative*
- Name and composition of the additive solution
- 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