

**COMPONENT STANDARD**  
**RED CELLS RESUSPENDED**

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**REASON FOR ISSUE:** Document renumbered.

**1. Component Name**

Red Cells Resuspended – Leucocyte Depleted

**2. Component Description**

A red cell preparation, prepared from a whole blood donation of 450ml +/- 10% containing less than  $5 \times 10^6$  leucocytes and suspended in an approved additive solution after removal of plasma.

**3. Technical Specifications**

<b>Volume:</b>	220 – 340 mL
<b>Leucocyte Count:</b>	$<5 \times 10^6$ /unit
<b>Haematocrit:</b>	0.50-0.70
<b>Total Haemoglobin</b>	$\geq 40$ g/unit
<b>Anticoagulant:</b>	CPD

**4. Donor Specification**

Meets the requirements of current edition of the Collection Standards

**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, haemoglobin and haematocrit. A sterility check may be done as part of total blood collections testing programme.

<b>Tests</b>	<b>Frequency</b>
Volume	1%, minimum of 10 per month
Haemoglobin	1%, minimum of 10 per month
Haematocrit	1%, minimum of 10 per month

**6. Storage and Expiry**

This component may be stored for a maximum period of 35 days at a temperature of  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$  following processing.

Variation from the core temperature of  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$  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  $10^{\circ}\text{C}$  and not less than  $1^{\circ}\text{C}$  may be released for transfusion provided:

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- The component has been exposed to a temperature beyond  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$  on one occasion only.
- The duration of temperature change is not longer than 5 hours.
- The incident has been properly documented and a SOP is in place to deal with such an incident.

If irradiated 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  $2^{\circ}\text{C}$  and  $10^{\circ}\text{C}$  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 – Leucocyte Depleted\*
- Volume
- Name of the collection centre\*
- Donation number\*
- ABO group\*
- Rh(D) group stated as positive or negative\*
- Name of the additive solution 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