

Label and Component Information

Version 5.0
Effective November 2011

The following document is provided for the information of all users of blood components supplied by the Blood Service.

Version 5.0 of this document provides a list of current component codes as well as examples of labels on blood components. This information will assist in the configuration of your internal system and ensure you are able to continue receiving these products and components.

In September 2011 the Blood Service updated their National Blood Management System (NBMS) Progesa to a new version eProgesa. This update was accompanied by little visible change to receivers of components from the Blood Service.

Barcodes remain unchanged. The component labels are basically the same with a minor change in some fonts only.

For detailed information on the blood components produced by the Blood Service, please refer to the Blood Component Information (Circular of Information) booklet which contains a description of the blood collection process, method of manufacture, critical manufacturing steps, clinical indications for use, and administration methods for each component. The Blood Component Information (BCI) is considered an extension of blood and component labels as the space on these labels is very limited. Printed copies of the BCI can be obtained by contacting your local Transfusion Medicine Services Team or, alternatively, can be downloaded from the Blood Service Transfusion Medicine website at www.transfusion.com.au

BARCODE INFORMATION.....	3
CODABAR CHARACTERISTICS	3
ADDITIONAL INFORMATION ON LABEL.....	4
ITERATION OF DONATION NUMBERS.....	4
EXAMPLE LABELS	5
RED CELL.....	5
RED CELL (PHENOTYPED)	5
PLATELET.....	6
LABEL CODE DESCRIPTORS.....	7
UNIQUE IDENTIFIERS	7
BLOOD GROUP CODES.....	7
COMPONENTS – WHOLE BLOOD.....	8
COMPONENTS RED CELLS	8
COMPONENTS – OTHER CELLULAR	9
COMPONENTS – CLINICAL PLASMA	10
SERUM EYE DROPS (AUTOLOGOUS).....	11
MODIFIERS : EXPLANATION OF MODIFIERS	12
COMPONENT ISSUE NOTE	14
APPENDIX 1.....	15
BLOOD SERVICE PAEDIATRIC APHERESIS PLATELETS:.....	15

To request additional printed copies of this document, please contact your local Transfusion Medicine Services Team.

A copy of this kit can also be downloaded from the ARCBS Transfusion Medicine website

www.transfusion.com.au

BARCODE INFORMATION

Codabar Characteristics

All barcodes on the National Blood Management System (NBMS) blood component release label use Codabar symbology with the following characteristics:

- **Component codes:** Start code "A0" plus 5-character numeric component code plus Stop Code "3B" e.g. A0123456B
- **Blood group codes:** Start code "D" plus 3-character numeric blood group code plus Stop Code "B" e.g. D123B
- **Label number:** Start code "A" plus 7-character donation number plus Stop Code "A" e.g. A1234567A *See below for details of its use*
- **Donation number codes:** Start code "D" plus 7-character donation number plus Stop Code "D" e.g. D1234567D
- **Expiry date:** Start code "A" plus 8-character date number (DDMMYYYY) plus Stop Code "A". The eye readable portion also has the time (hh:mm) - this is not barcoded. This will be recorded as 23:59 for all components that have an expiry in days. The actual time of expiry (in hours and minutes) will be recorded for components that have an expiry measured in hours e.g. A01012011A

The time of expiry is calculated either from the collection time or the preparation time, depending on the component. A list of components for which the time of expiry is calculated from the time of preparation is provided in the table below. The time of expiry for all other components is calculated from the time of collection.

Components for which time of expiry is calculated from time of preparation
Irradiated red cells
Hyper concentrated components
Deglycerolised components
Red cells for intrauterine transfusion

The following information will be physically printed on the labels:

- **Label number.** This is the same as the donation number but the start and stop codes are different, namely "A" and "A". This number is used by the NBMS to identify the on demand printed label and it is scanned into the system along with the donation number to ensure the label has been placed on the correct pack. This number must always be the same as the donation number. Platelet pools have a unique donation number, linking back to the ABO identical donations in the pool.
- **Collection date in eye readable form only.** Note that platelet pools will have the preparation date (not the collection date); however the expiry date will be

calculated from the earliest collection date of the components in the pool.

- **Blood group** (ABO and Rh D) in text and barcode format
- **Component name** in text and barcode format
- **Component volume** in mL - text only
- **Storage temperature** - text only
- **Modifiers** such as CMV, Low Anti-A/B and irradiation status - text only
- **Phenotype results** if applicable. Text only.
 - If Underlined = Tested once on this donation.
 - If NOT Underlined = Tested historically (NOT on this donation).
 - If **BOLD** = Phenotyping has been confirmed by testing on 2 occasions on 2 different donations.
- **Note:** Phenotype results are advisory only.
- *Red Cells negative for the corresponding antigen(s) should be selected when the patient has a clinically significant antibody or has a history of a clinically significant antibody. The selected red cells should be crossmatched by an IAT technique. (ANZSBT Guidelines for Pre-transfusion Laboratory Practice 5th Edition 2007)*

Additional Information on Label

The label will have the following additional information printed across the lower portion of the label:

<p style="text-align: center;">TRANSFUSION INSTRUCTIONS</p> <p>1. PROPERLY IDENTIFY INTENDED RECIPIENT. 2. DO NOT USE IF CONTENTS SHOW VISIBLE SIGNS OF DETERIORATION.</p> <p style="text-align: center;">WARNING</p> <p>THIS PRODUCT MAY TRANSMIT INFECTIOUS AGENTS. SEE CIRCULAR OF INFORMATION FOR CAUTIONS AND INSTRUCTIONS.</p>	<p>Donation tested and non-reactive for specified markers for HIV 1&2, hepatitis B&C, HTLV and syphilis.</p> <p style="text-align: center;">Collected and processed by Australian Red Cross Blood Service For more information Telephone: 1300 13 60 13</p>
--	---

Iteration of Donation numbers

Due to donation numbers using a 7 digit number sequence, donation numbers will repeat after a period of time (iteration). In most instances the repetition will be approximately every 2 years however this may be sooner in larger states and with short shelf life products such as platelets. Users of blood components are advised that when looking back through records that the 'unique' identification of a unit comprises three items: the product type, donation number and expiry date.

EXAMPLE LABELS

Red Cell



Collection date → 12 Apr 2011

Component → RED CELLS in SAG-M
Leucocyte Depleted

Specific details (Inc. Modifications) → Store at +2C to +6C
Volume: 246 ml
Irradiated for IUT
For Intrauterine Transfusion

Unique identifier (Unit or donation number) → Label # 0035718

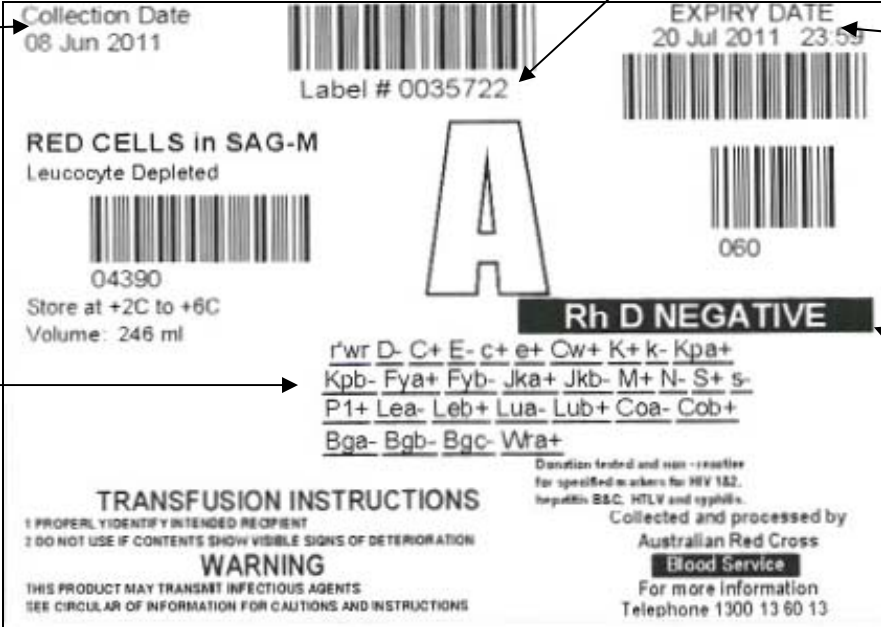
Expiry date and time → EXPIRY DATE 13 Apr 2011 11:52

Blood Group → Rh D POSITIVE

TRANSFUSION INSTRUCTIONS
1 PROPERLY IDENTIFY INTENDED RECIPIENT
2 DO NOT USE IF CONTENTS SHOW VISIBLE SIGNS OF DETERIORATION
WARNING
THIS PRODUCT MAY TRANSMIT INFECTIOUS AGENTS
SEE CIRCULAR OF INFORMATION FOR CAUTIONS AND INSTRUCTIONS

Donation tested and non-reactive for specified markers for HIV 1&2, hepatitis B&C, HTLV and syphilis.
Collected and processed by Australian Red Cross Blood Service
For more information Telephone 1300 13 60 13

Red Cell (phenotyped)



Collection date → 08 Jun 2011

Component → RED CELLS in SAG-M
Leucocyte Depleted

Phenotypes → r^{wr} D- C+ E- c+ e+ Cw+ K+ k- Kpa+
Kpb- Fya+ Fyb- Jka+ Jkb- M+ N- S+ s-
P1+ Lea- Leb+ Lua- Lub+ Coa- Cob+
Bga- Bgb- Bgc- Wra+

Unique identifier (Unit or donation number) → Label # 0035722

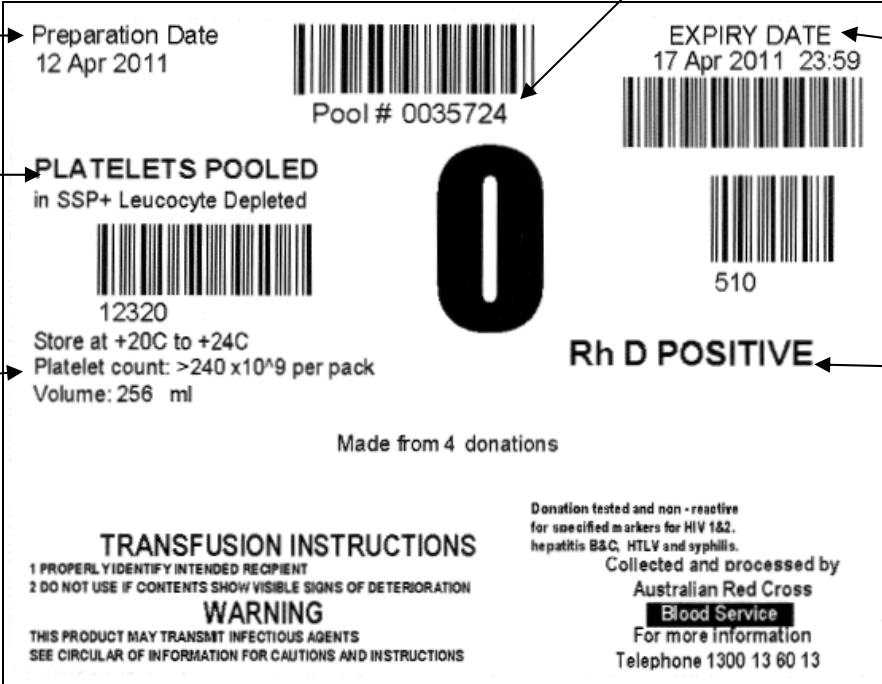
Expiry date and time → EXPIRY DATE 20 Jul 2011 23:59

Blood Group → Rh D NEGATIVE

TRANSFUSION INSTRUCTIONS
1 PROPERLY IDENTIFY INTENDED RECIPIENT
2 DO NOT USE IF CONTENTS SHOW VISIBLE SIGNS OF DETERIORATION
WARNING
THIS PRODUCT MAY TRANSMIT INFECTIOUS AGENTS
SEE CIRCULAR OF INFORMATION FOR CAUTIONS AND INSTRUCTIONS

Donation tested and non-reactive for specified markers for HIV 1&2, hepatitis B&C, HTLV and syphilis.
Collected and processed by Australian Red Cross Blood Service
For more information Telephone 1300 13 60 13

Platelet



Preparation date → Preparation Date
12 Apr 2011

Component → **PLATELETS POOLED**
in SSP+ Leucocyte Depleted

Specific details (Incl. Modifications) → Store at +20C to +24C
Platelet count: >240 x10⁹ per pack
Volume: 256 ml

Unique identifier (Unit or donation number) → Pool # 0035724

Expiry date and time → EXPIRY DATE
17 Apr 2011 23:59

Blood Group → **Rh D POSITIVE**

Made from 4 donations

TRANSFUSION INSTRUCTIONS
1 PROPERLY IDENTIFY INTENDED RECIPIENT
2 DO NOT USE IF CONTENTS SHOW VISIBLE SIGNS OF DETERIORATION

WARNING
THIS PRODUCT MAY TRANSMIT INFECTIOUS AGENTS
SEE CIRCULAR OF INFORMATION FOR CAUTIONS AND INSTRUCTIONS

Donation tested and non - reactive
for specified markers for HIV 1&2,
hepatitis B&C, HTLV and syphilis.
Collected and processed by
Australian Red Cross
Blood Service
For more information
Telephone 1300 13 60 13

LABEL CODE DESCRIPTORS

	NBMS (eProgesa) Barcode		
	Start code	Component code	Stop code
UNIQUE IDENTIFIERS			
Donation number (on pack)	D		D
Donation number (on label)	A		A
BLOOD GROUP CODES			
O Rh D POSITIVE	D	510	B
O Rh D NEGATIVE	D	950	B
A Rh D POSITIVE	D	620	B
A Rh D NEGATIVE	D	060	B
B Rh D POSITIVE	D	730	B
B Rh D NEGATIVE	D	170	B
AB Rh D POSITIVE	D	840	B
AB Rh D NEGATIVE	D	280	B
Oh Rh D POSITIVE	D	520	B
Oh Rh D NEGATIVE	D	960	B

NBMS (eProgesa) Barcode			
	Start code	Component code	Stop code
COMPONENTS – WHOLE BLOOD			
Fresh whole blood leucodepleted	A0	00156	3B
COMPONENTS RED CELLS			
Red cells in SAG-M 1 of 4 Leucocyte depleted	A0	34381	3B
Red cells in SAG-M 2 of 4 Leucocyte depleted	A0	34382	3B
Red cells in SAG-M 3 of 4 Leucocyte depleted	A0	34383	3B
Red cells in SAG-M 4 of 4 Leucocyte depleted	A0	34384	3B
Red cells in SAG-M Leucocyte depleted	A0	04390	3B
Red cells Leucocyte depleted washed in SAG-M	A0	04880	3B
Red cells Deglycerolised	A0	06400	3B

NBMS (eProgesa) Barcode			
	Start code	Component code	Stop code
COMPONENTS – OTHER CELLULAR			
PLATELETS Apheresis Leucocyte Depleted	A0	12610	3B
PLATELETS 1 of 2 Apheresis Leucocyte Depleted	A0	12611	3B
PLATELETS 2 of 2 Apheresis Leucocyte Depleted	A0	12612	3B
PLATELETS POOLED in SSP+ Leucocyte Depleted	A0	12320	3B
PLATELETS Apheresis in SSP+ Leucocyte Depleted	A0	12310	3B
PLATELETS 1 of 2 Apheresis in SSP+ Leucocyte Depleted	A0	12311	3B
PLATELETS 2 of 2 Apheresis in SSP+ Leucocyte Depleted	A0	12312	3B
PLATELETS 1of 4 Apheresis Paediatric Leucocyte Depleted	A0	32641	3B
PLATELETS 2 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32642	3B
PLATELETS 3 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32643	3B
PLATELETS 4 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32644	3B
PLATELETS 1of 4 Apheresis Paediatric Leucocyte Depleted	A0	32645	3B
PLATELETS 2 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32646	3B
PLATELETS 3 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32647	3B
PLATELETS 4 of 4 Apheresis Paediatric Leucocyte Depleted	A0	32648	3B

NBMS (eProgesa) Barcode			
	Start code	Component code	Stop code
COMPONENTS – CLINICAL PLASMA			
Cryoprecipitate	A0	10100	3B
Cryoprecipitate Apheresis	A0	10110	3B
Fresh Frozen Plasma	A0	18200	3B
Fresh Frozen Plasma Apheresis	A0	18210	3B
Fresh Frozen Plasma 1 of 2 Apheresis	A0	18211	3B
Fresh Frozen Plasma 2 of 2 Apheresis	A0	18212	3B
Fresh Frozen Plasma Paediatric 1 of 4	A0	18241	3B
Fresh Frozen Plasma Paediatric 2 of 4	A0	18242	3B
Fresh Frozen Plasma Paediatric 3 of 4	A0	18243	3B
Fresh Frozen Plasma Paediatric 4 of 4	A0	18244	3B
Cryo Depleted Plasma	A0	18400	3B
Cryo Depleted Plasma Apheresis	A0	18410	3B


NBMS (eProgesa) Barcode			
	Start code	Component code	Stop code
SERUM EYE DROPS (Autologous)			
Serum Eye Drops in Saline Part 1 of 6	A0	20091	3B
Serum Eye Drops in Saline Part 2 of 6	A0	20092	3B
Serum Eye Drops in Saline Part 3 of 6	A0	20093	3B
Serum Eye Drops in Saline Part 4 of 6	A0	20094	3B
Serum Eye Drops in Saline Part 5 of 6	A0	20095	3B
Serum Eye Drops in Saline Part 6 of 6	A0	20096	3B

MODIFIERS : Explanation of modifiers

MODIFIER TEXT	EXPLANATION
Irradiated	The component has been irradiated and the expiry has been reduced to 14 days post-irradiation. The component will also have a RADSURE label to indicate that irradiation was performed.
Irradiated NEONATAL	The component has been ordered for a neonatal transfusion and has been irradiated. The expiry has been reduced to 48 hours post-irradiation. The component will also have a RADSURE label to indicate that irradiation was performed.
Hyper concentrated	The supernatant has been removed from the red cell component and the expiry reduced to 48 hours post-hyper concentration.
Hyper concentrated Platelets	The supernatant has been removed from the platelet component and the expiry reduced to 6 hours post-hyper concentration.
Directed	A directed component is one that has been collected from a selected donor known to the patient, usually a close relative of the patient. The component is reserved for that patient. Such components are always irradiated. They will also have a blue label with the patient details attached.
Hyper concentrated/Irradiated	The supernatant has been removed and the component has been irradiated. The expiry is reduced to 24 hours post-hyper concentration/Irradiation.
Irradiated for IUT	The component has been ordered for an intrauterine transfusion and has been irradiated. The expiry is reduced to 24 hours post-irradiation.
For Intrauterine transfusion	The component has been ordered for an Intrauterine transfusion. Therefore the expiry has been reduced to 48 hours post-application of the modifier (e.g. washing).
CMV Negative	The originating donor sample/donation has been tested for CMV antibody and is negative.
Not NAT Tested	Due to extenuating circumstances, (e.g, machine failure or specific clinical demand) this component has been released without nucleic acid technology (NAT) testing being performed. A disclaimer form will accompany these components.
Low Anti-T	The originating donor sample/donation has been tested and Anti-T was not detected.
IgA Deficient	The originating donor sample/donation has been tested and is IgA deficient.
Suitable for Research	The component is deemed unsuitable for clinical use, but may be used for research purposes. (Note that this will never be issued to a clinical customer for transfusion).
Secretor Plasma Le(b+)	The component is from a Le (a-b+) donor and, as such, is suitable for absorption of Lewis antibodies. Suitable for transfusion.
Not for Neonatal use	The component has been deemed unsuitable for neonatal use due to the presence of red cell antibodies (low titre only).It should not be transfused to a neonate.

MODIFIER TEXT	EXPLANATION
Phenotype Reserve	The originating donor sample/donation or previous testing of donor has had an extended phenotype performed and forms part of a panel of cells reserved for patients with antibodies or where antigen negative blood is otherwise specifically required.
Low Anti-A/B	The originating donor sample/donation has low levels of Anti A, B haemolysins.
Autol release - See disclaimer	This autologous component has tested positive for one or more viral markers but has been released upon request by the patient's physician. A disclaimer form will accompany these components.

COMPONENT ISSUE NOTE



COMPONENT ISSUE

NUMBER 000000000104

Date and time 23/06/2011 - 10:12

Facility AHP NAME (CUST CODE)
123 EASY STREET
BUILDING ONE

Ward (000001)

Order ref.

Prescribing Doctor

Permanent Number

HOSPITAL UR

ORDER NUMBER 0000000000257

ORDERED 2

AGREED 2

STATUS Completed

Comments

001 ISSUE NOTE EXAMPLE

Suppl DONATION NO/ Batch	ABO	Unit	Qty	Collection Date	Expiry	EXPIRY Modifiers TIME	Vol
Red Cells in SAG M LD (04390)							
5300 0101201	O +		1	23/06/2011	23/07/2011	23:59	282

5300 0201202	A +		1	23/06/2011	21/07/2011	23:59	295

TOTAL ISSUES	A	A-	A+	AB	AB-	AB+	B	B-	B+	O	O-	O+	Qty	Vol
04390			1									1	2	577

Signature

Signature of the person who issued components

ARCBS Adelaide

23/06/2011 10:43 GMT + 10

1 / 1

Appendix 1.

Blood Service Paediatric Apheresis Platelets:

Double apheresis bag collections made into paediatric packs

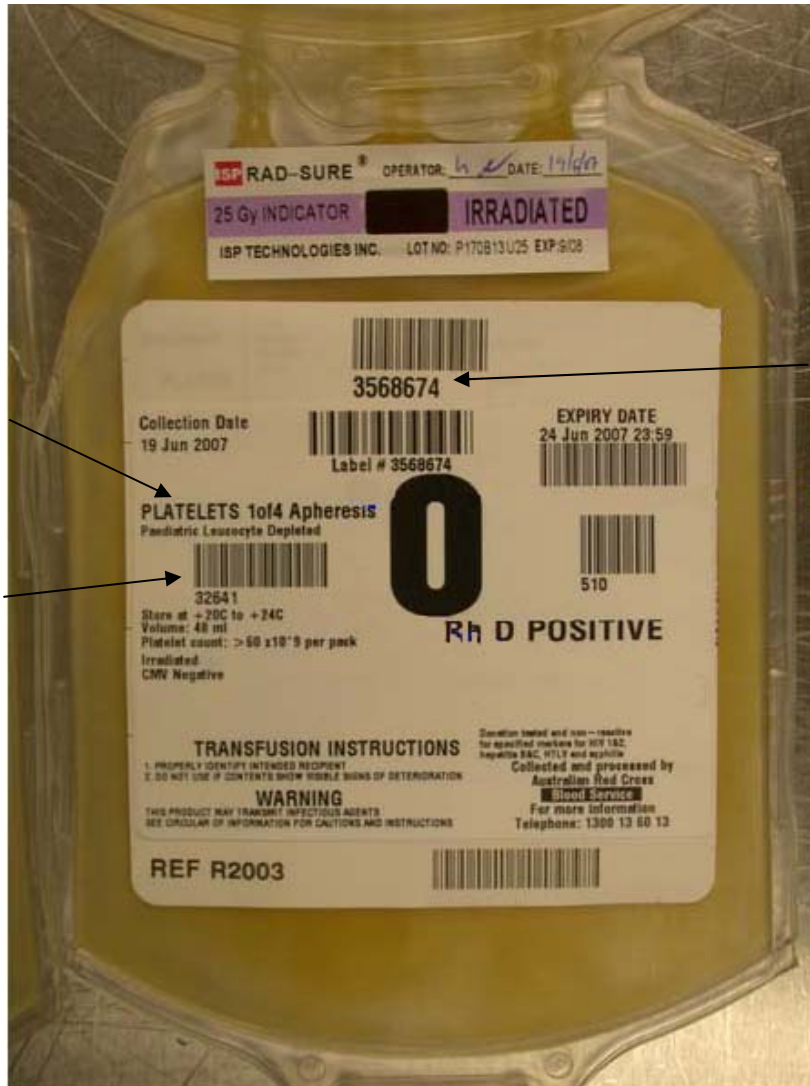
The Blood Service routinely provides platelets from donations provided by single donors and collected by apheresis. Occasionally these platelets are also HLA or HPA-matched. In some cases, if the donor's platelet count is high enough at the time of donation, two bags can be collected from a single donor. In some circumstances each of the two collections can split into four paediatric packs **resulting in eight packs with the same donation number.**

All blood component bags are uniquely identified by a combination of the donation number and the product code. For example, a whole blood donation may be made into FFP and red cells. Both will have the same donation number but they will have different product codes.

For a double apheresis platelet collection, each bag is labelled with the same donation number but the product code and the product description are different, e.g.

Donation Number:	1234567	1234567
Product Code:	12011	12012
Product Description:	Platelets 1 of 2	Platelets 2 of 2

When these double bag collections are further broken down to paediatric packs, the donation number will be the same on all eight packs and the product description on both sets of four will be the same (Platelets 1 of 4 Apheresis, Platelets 2 of 4 Apheresis, etc.) **however each pack will have a unique product code (32641 through to 32648). This is also represented in the product code barcode. These product codes in conjunction with the donation number ensure each bag is uniquely identifiable.** It is uncommon for both packs of a double collection to be split into paediatric packs, unless there is a special requirement e.g. HLA compatible platelets. The next page shows a picture of a paediatric pack and label.



Product description -
text

Product code – barcode
and eye readable text

Donation number –
barcode and eye
readable