Australian Red Cross
BLOOD SERVICE

Clinical Blood Users Information Kit

BLOOD COMPONENT LABELING

Version 3.0
Effective July 2006

The following document is provided for the information of all clinical users of blood products and components supplied by the Australian Red Cross Blood Service (ARCBS).
In May 2003, ARCBS commenced a phased roll out of the new *National Blood Management System (NBMS)*.
Queensland will complete the national implementation of the NBMS on November 13 2006
This system upgrade includes the use of new-look labels on blood products and components. The information enclosed provides technical specifications and physical examples of these new labels that will assist in the configuration of your internal system and ensure you are able to continue receiving these products and components.

Australian Red Cross BLOOD SERVICE

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BARCODE INFORMATION

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MODIFIERS

PACKING SLIPS

Also included are copies of the ARCBS New Blood Product Label poster (A2 and A3 sizes)

To request additional printed copies of any of this information or for questions on the impact of the National Blood Management System,
Please contact us on:

1300 13 60 13

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

www.donateblood.com.au/clinical

National Blood Management System: BARCODE INFORMATION

All barcodes on the release label are Codabar with the following characteristics:

- **Component codes:** Start code "A0" plus 5-character numeric component code plus Stop Code "3B". The codes are the same as are presently in use.
- **Blood group codes:** Start code "D" plus 3-character numeric blood group code plus Stop Code "B". The blood group codes are the same as are presently in use **BUT** the start and stop codes are different from the current ones used in Queensland.
- **Label number:** Start code "A" plus 7-character donation number plus Stop Code "A". See below for details of its use.
- **Donation number codes**: Start code "D" plus 7-character donation number plus Stop Code "D". The donation number ranges will not change. The codes are the same as are presently in use.
- **The 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 bar coded. 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.

  The expiry time is calculated either from the collection time or the preparation time, dependent on the component as follows:

Components calculated from preparation time
Irradiated neonatal red cells
Washed components with no additive solution added
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 "A" and "A". This number is used in 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 place on the correct pack. This number must always be the same as the donation number.
- **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 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.
  In cases where clinically significant antibodies are present or where there is a history of clinically significant antibodies, antigen negative blood should be crossmatched by an indirect antiglobulin test or validated equivalent. (ANZSBT Guidelines for Pretransfusion Testing 4th Edition 2002)

The label will have the following additional information printed:

Collected and processed by
Australian Red Cross
Blood Service
For more information
Telephone: 1300 13 60 13

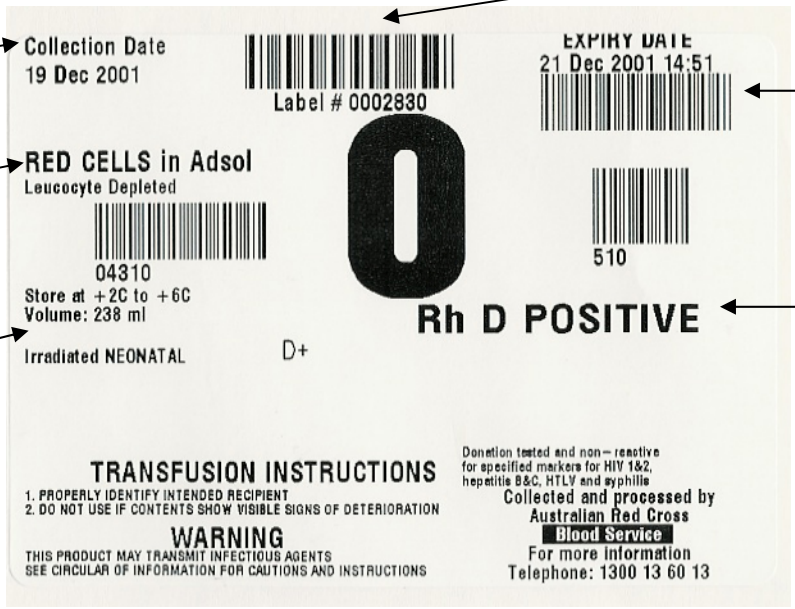
Donation tested and non-reactive for
specified markers for HIV 1&2,
Hepatitis B&C, HTLV and syphilis.

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

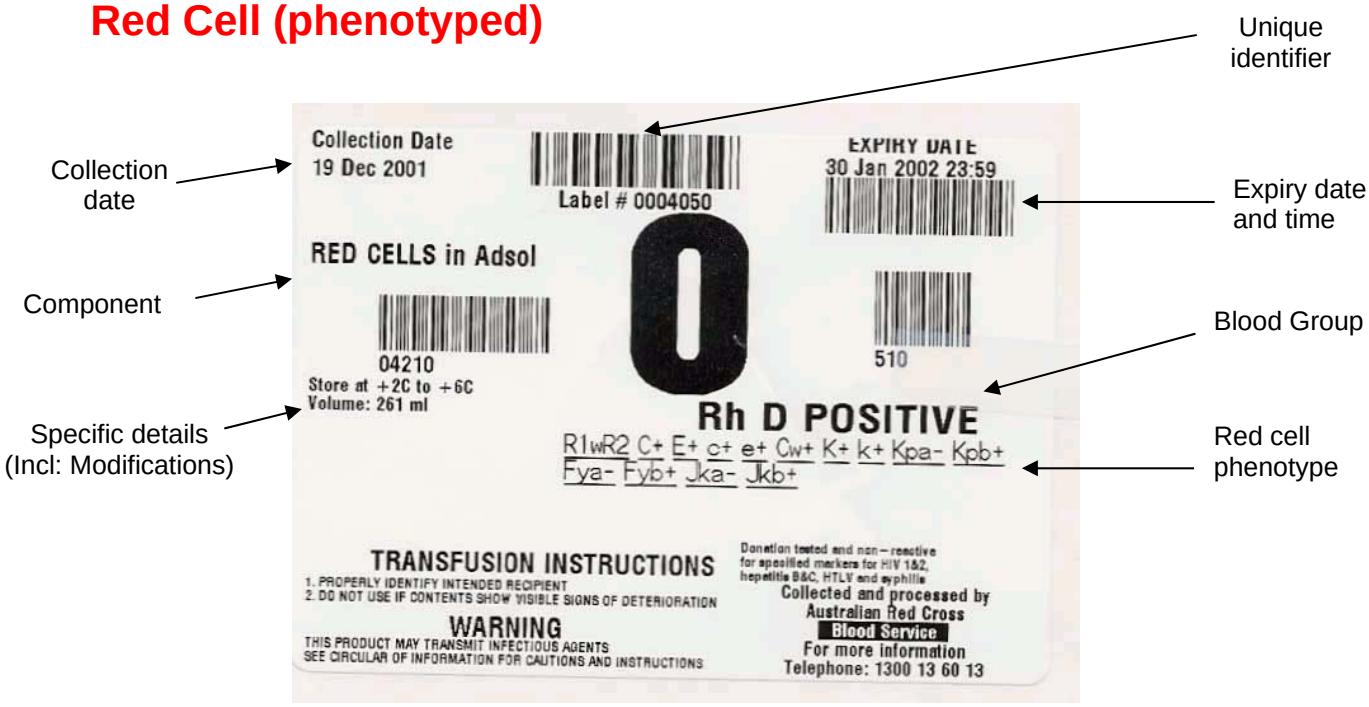
WARNING

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

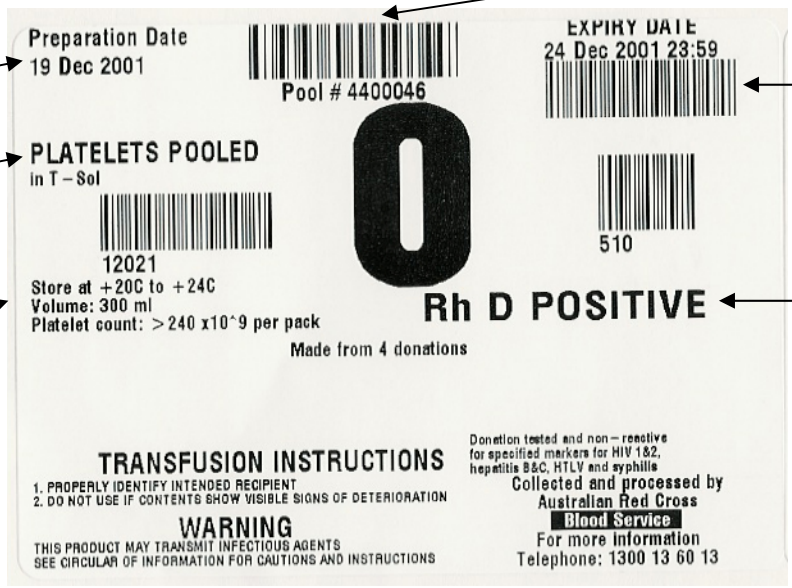
Red Cell



Red Cell (phenotyped)



Platelet


Unique identifier
Preparation date
Preparation Date
19 Dec 2001
Pool # 4400046
EXPIRY DATE
24 Dec 2001 23:59
Expiry date and time
Component
PLATELETS POOLED
in T – Sol
12021
510
O
Rh D POSITIVE
Blood Group
Specific details (Incl: Modifications)
Store at +20C to +24C
Volume: 300 ml
Platelet count: >240 x10^9 per pack
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

Australian Red Cross BLOOD SERVICE

	PROGESA 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 POSITIVE	D	510	B
O Rh NEGATIVE	D	950	B
A Rh POSITIVE	D	620	B
A Rh NEGATIVE	D	060	B
B Rh POSITIVE	D	730	B
B Rh NEGATIVE	D	170	B
AB Rh POSITIVE	D	840	B
AB Rh NEGATIVE	D	280	B
Oh Rh POSITIVE	D	520	B
Oh Rh NEGATIVE	D	960	B
COMPONENTS - WHOLE BLOOD			
WHOLE BLOOD CPD	A0	00150	3B
WHOLE BLOOD CPD 250mL	A0	00155	3B
WHOLE BLOOD CPDA-1	A0	00160	3B
COMPONENTS - RED CELLS			
RED CELLS in Adsol	A0	04210	3B
RED CELLS in Optisol	A0	04250	3B
RED CELLS Prepared from CPDA-1	A0	04060	3B
RED CELLS in Adsol Leucocyte depleted	A0	04310	3B
RED CELLS in Adsol Buffy Coat Removed	A0	04610	3B
RED CELLS in Optisol Buffy Coat Removed	A0	04650	3B

	PROGESA Barcode		
	start code	component code	stop code
COMPONENTS - RED CELLS *continued*			
RED CELLS in Adsol 1 of 4 Leucocyte Depleted Paediatric	A0	34311	3B
RED CELLS in Adsol 2 of 4 Leucocyte Depleted Paediatric	A0	34312	3B
RED CELLS in Adsol 3 of 4 Leucocyte Depleted Paediatric	A0	34313	3B
RED CELLS in Adsol 4 of 4 Leucocyte Depleted Paediatric	A0	34314	3B
RED CELLS 1of 4 Paediatric Leucocyte Depleted Washed	A0	34811	3B
RED CELLS 2 of 4 Paediatric Leucocyte Depleted Washed	A0	34812	3B
RED CELLS 3 of 4 Paediatric Leucocyte Depleted Washed	A0	34813	3B
RED CELLS 4 of 4 Paediatric Leucocyte Depleted Washed	A0	34814	3B
RED CELLS in CPDA-1 1 of 4 Leucocyte Depleted Paediatric	A0	34301	3B
RED CELLS in CPDA-1 2 of 4 Leucocyte Depleted Paediatric	A0	34302	3B
RED CELLS in CPDA-1 3 of 4 Leucocyte Depleted Paediatric	A0	34303	3B
RED CELLS in CPDA-1 4 of 4 Leucocyte Depleted Paediatric	A0	34304	3B
RED CELLS in Adsol 1of 4 Buffy Coat Removed Paediatric	A0	34611	3B
RED CELLS in Adsol 2 of 4 Buffy Coat Removed Paediatric	A0	34612	3B
RED CELLS in Adsol 3 of 4 Buffy Coat Removed Paediatric	A0	34613	3B
RED CELLS in Adsol 4 of 4 Buffy Coat Removed Paediatric	A0	34614	3B
RED CELLS in SAG-M 1 of 4 Leucodepleted	A0	34381	3B
RED CELLS in SAG-M 2 of 4 Leucodepleted	A0	34382	3B
RED CELLS in SAG-M 3of 4 Leucodepleted	A0	34383	3B
RED CELLS in SAG-M 4 of 4 Leucodepleted	A0	34384	3B
RED CELLS in SAG-M 1 of 4 Buffy Coat Removed	A0	34681	3B
RED CELLS in SAG-M 2 of 4 Buffy Coat Removed	A0	34682	3B
RED CELLS in SAG-M 3 of 4 Buffy Coat Removed	A0	34683	3B
RED CELLS in SAG-M 4 of 4 Buffy Coat Removed	A0	34684	3B

	PROGESA Barcode		
	start code	component code	stop code
COMPONENTS - RED CELLS *continued*			
RED CELLS in Adsol 1of 2 Leucocyte Depleted	A0	04311	3B
RED CELLS in Adsol 2 of 2 Leucocyte Depleted	A0	04312	3B
RED CELLS in Optisol Leucocyte Depleted	A0	04350	3B
RED CELLS in Optisol 1of 4 Leucocyte Depleted Paediatric	A0	04351	3B
RED CELLS in Optisol 2 of 4 Leucocyte Depleted Paediatric	A0	04352	3B
RED CELLS in Optisol 3 of 4 Leucocyte Depleted Paediatric	A0	04353	3B
RED CELLS in Optisol 4 of 4 Leucocyte Depleted Paediatric	A0	04354	3B
RED CELLS in SAG-M	A0	04280	3B
RED CELLS in SAG-M Leucodepleted	A0	04390	3B
RED CELLS in SAG-M Buffy Coat removed	A0	04680	3B
RED CELLS in SAG-M Apheresis Leucodepleted	A0	04380	3B
RED CELLS in SAG-M 1 of 2 Apheresis Leucodepleted	A0	04381	3B
RED CELLS in SAG-M 2 of 2 Apheresis Leucodepleted	A0	04382	3B
RED CELLS Leucocyte Depleted Washed No Additive	A0	04800	3B
RED CELLS 1of 2 Leucocyte Depleted Washed No Additive	A0	04801	3B
RED CELLS 2 of 2 Leucocyte Depleted Washed No Additive	A0	04802	3B
RED CELLS Leucocyte Depleted Washed in Adsol	A0	04810	3B
RED CELLS 1 of 2 Leucocyte Depleted Washed in Adsol	A0	04811	3B
RED CELLS 2 of 2 Leucocyte Depleted Washed in Adsol	A0	04812	3B
RED CELLS Leucocyte Depleted Washed in Optisol	A0	04850	3B
RED CELLS Washed No Additive	A0	04900	3B
RED CELLS Washed in Adsol	A0	04910	3B
RED CELLS Cryopreserved	A0	06290	3B
RED CELLS Deglycerolised	A0	06400	3B

	PROGESA Barcode		
	start code	component code	stop code
COMPONENTS - OTHER CELLULAR			
PLATELETS	A0	12000	3B
PLATELETS Washed	A0	12900	3B
PLATELETS Leucocyte Depleted	A0	12300	3B
PLATELETS 1 of 2	A0	12001	3B
PLATELETS 2 of 2	A0	12002	3B
PLATELETS Apheresis in T-Sol	A0	12070	3B
PLATELETS 1 of 2 Apheresis in T-Sol	A0	12071	3B
PLATELETS 2 of 2 Apheresis in T-Sol	A0	12072	3B
PLATELETS suspended in AB plasma	A0	12090	3B
PLATELETS 1 of 2 Suspended in AB Plasma	A0	12091	3B
PLATELETS 2 of 2 Suspended in AB Plasma	A0	12092	3B
PLATELETS Apheresis	A0	12010	3B
PLATELETS 1 of 2 Apheresis	A0	12011	3B
PLATELETS 2 of 2 Apheresis	A0	12012	3B
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 T-Sol	A0	12021	3B
PLATELETS POOLED in T-Sol Leucocyte Depleted	A0	12321	3B
PLATELETS Apheresis in T-Sol Leucocyte depleted	A0	12670	3B
PLATELETS Apheresis in T-Sol 1 of 2 Leucocyte depleted	A0	12671	3B
PLATELETS Apheresis in T-Sol 1 of 2 Leucocyte depleted	A0	12672	3B
PLATELETS Frozen	A0	12100	3B
PLATELETS 1of 4 Paediatric Leucocyte Depleted	A0	32641	3B
PLATELETS 2 of 4 Paediatric Leucocyte Depleted	A0	32642	3B
PLATELETS 3 of 4 Paediatric Leucocyte Depleted	A0	32643	3B
PLATELETS 4 of 4 Paediatric Leucocyte Depleted	A0	32644	3B
PLATELETS 1 of 4 Paediatric Leucocyte Depleted	A0	32645	3B
PLATELETS 2 of 4 Paediatric Leucocyte Depleted	A0	32646	3B

PLATELETS 3 of 4 Paediatric Leucocyte Depleted	A0	32647	3B
PLATELETS 4 o f4 Paediatric Leucocyte Depleted	A0	32648	3B
PLATELETS 1 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32671	3B
PLATELETS 2 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32672	3B
PLATELETS 3 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32673	3B
PLATELETS 4 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32674	3B
PLATELETS 1 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32675	3B
PLATELETS 2 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32676	3B
PLATELETS 3 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32677	3B
PLATELETS 4 of 4 Apheresis Paediatric in T-Sol Leucocyte depleted	A0	32678	3B
BUFFY COAT	A0	16300	3B
GRANULOCYTES Apheresis	A0	16410	3B
STEM CELLS Apheresis Peripheral Blood	A0	17210	3B
STEM CELLS/PLASMA Apheresis	A0	17219	3B
LEUCOCYTES Apheresis	A0	16319	3B
SERUM	A0	20001	3B

	PROGESA 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 1 of 2	A0	18201	3B
FRESH FROZEN PLASMA 2 of 2	A0	18202	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
FRESH FROZEN PLASMA for Cryoprecipitate	A0	18300	3B
FRESH FROZEN PLASMA Apheresis for Cryoprecipitate	A0	18310	3B
CRYO-DEPLETED PLASMA	A0	18400	3B
CRYO-DEPLETED PLASMA Apheresis	A0	18410	3B

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 hrs, 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 hrs, post-hyper concentration.
Hyper concentrated Platelets	The supernatant has been removed from the platelet component and the expiry reduced to 6 hrs, 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 hrs 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 hrs post-irradiation.
For Intrauterine transfusion	The component has been ordered for an Intrauterine transfusion. Therefore the expiry has been reduced to 48 hrs post-application of the modifier. (eg. 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 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.
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.

National Blood Management System: PACKING SLIP

ARCBS Adelaide — ISSUING ARCBS DEPOT, ADDRESS & TELEPHONE NUMBER

Tel — ISSUE NUMBER

NUMBER 10041065 — CUSTOMER NAME
-1- — CUSTOMER ADDRESS
Date and time : 19/12/01 - 12:04
Facility : Customer One (CUST01)
: Customer One's Address
:
:
Order ref. :
ORDER NUMBER : 00000004
ORDERED : 21 — TOTAL NUMBER OF COMPONENTS & PRODUCT ORDERED
AGREED : 21 — TOTAL NUMBER ARCBS IS ABLE TO SUPPLY
STATUS : Completed — STATUS OF THE ORDER

COMPONENT NAME & CODE
Red Cells CPDA-1 (04060)

Supp	Donation No/ Lot	Abo	Uni.	Qty	Expired on	EXPIRY TIME	Modifiers	Vol
5700	9000031	O +		1	23/01/2002	23:59		280
5700	8000031	O +		1	23/01/2002	23:59		280
5700	1000045	A +		1	23/01/2002	23:59		280
5700	2000045	A +		1	23/01/2002	23:59		280

COLLECTION CENTRE CODE

UNIT VOLUME

GROUP — *MODIFIERS Eg. IRRADIATION / CMV-*

Platelets (12000)

Supp	Donation No/ Lot	Abo	Uni.	Qty	Expired on	EXPIRY TIME	Modifiers	Vol
5600	1000004	O -		1	24/12/2001	23:59	CMV NEG	86
5600	2000004	O -		1	24/12/2001	23:59	CMV NEG	77

Albumex 4 500 mL (34502)

Supp	Donation No/ Lot	Abo	Uni.	Qty	Expired on	EXPIRY TIME	Modifiers	Vol
0029	34502000030			10	19/12/2003			

CSL PRODUCT BATCH NUMBER

ARCBS Adelaide

Tel

NUMBER 10041065

-2-
Date and time : 19/12/01 - 12:04
Facility : Customer One (CUST01)
: Customer One's Address
:
:
Order ref. :
ORDER NUMBER : 00000004
ORDERED : 21
AGREED : 21
STATUS : Completed

ORDER SUMMARY

TOTAL ISSUES

	A +	O +	O -	Qty	Vol
04060 / - Red Cells CPDA-1	2	2		4	1120
12000 / - Platelets			2	2	163
18200 / - FFP	5			5	1422
34502 / - Albumex 4 500 mL				10	0
20001 / - CMV Negative				2	163

NUMBER OF PRODUCTS WITH THIS MODIFIER

Signature Signature of the person who issued components
D.Training DIS Supervisor 1