



International Rare Donor Panel

The IRDP database can only be accessed by authorised users.

[Access the database](#)



Rare Donor Program

Country: Sweden

Country/Region: Sweden/Umeå

Rare Donor Program

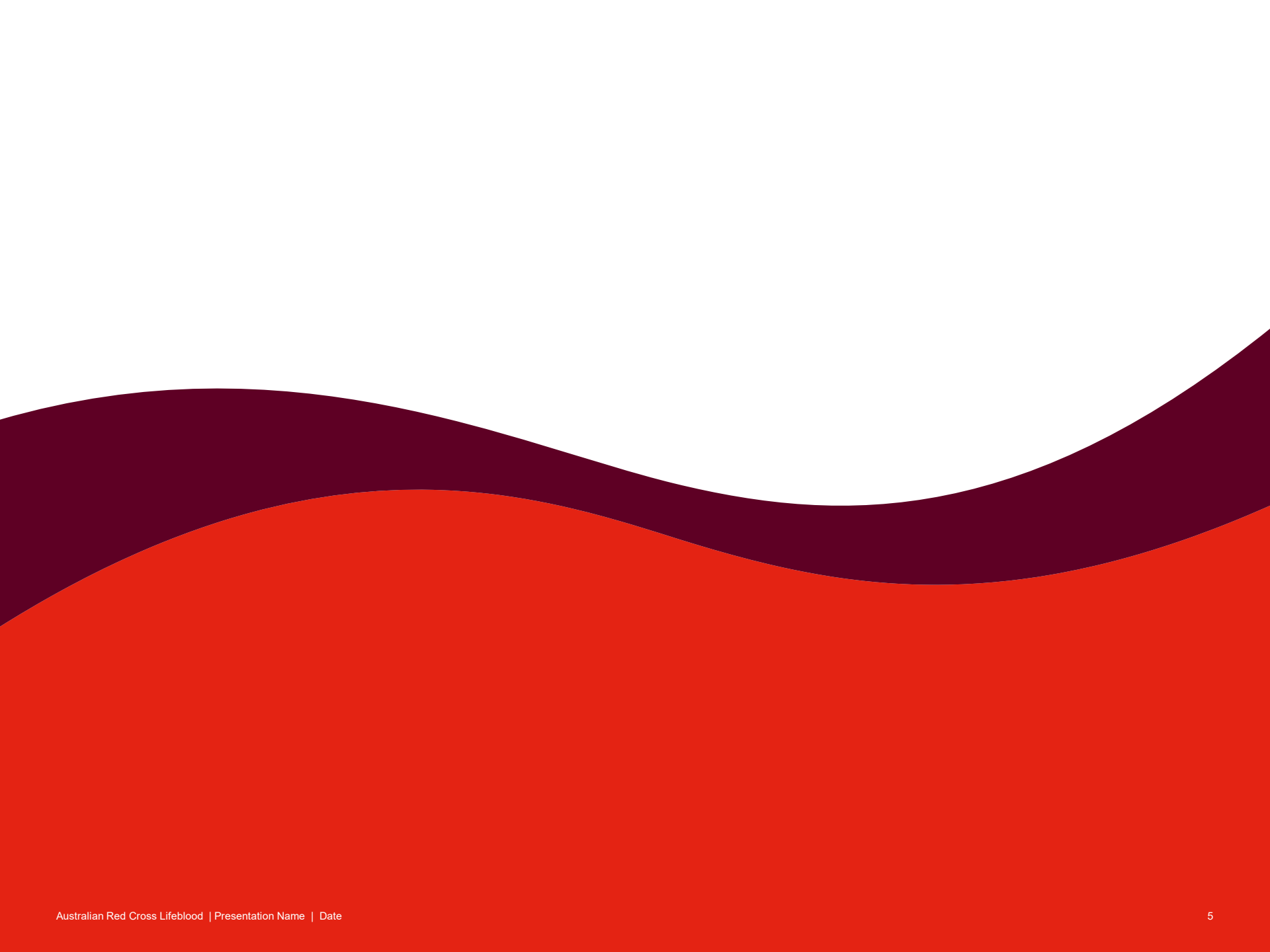
Rare Donor Program	<i>No</i>
National Regional or Facility based	-
Number of Rare Donors	45 (in Umeå)
Definition of Rare	Someone who is negative for a high prevalence antigen where the frequency of this antigen negative phenotype is less than 1 in 1000. People with a combination of antigen negative phenotypes where that combination has a prevalence of less than 1 in 1000 may also be considered rare. Immunized patients with multiple antibodies.
Are the donors listed in the International Rare Donor Panel	<i>yes</i>
Frozen Inventory	yes
How are Rare Donors found	Corresponding antibody detected in a donor or patient Family studies if a patient has a rare blood type
Number of Rare Donor Units used per year	<10
ISBT Rare Donor WP Blood Shipment form used	Yes
Outcome of incompatible transfusion form used	<i>No</i>
Most difficult types to find	Bombay
Phenotypes confirmed by molecular testing	PCR and serology

Country/Region: Sweden

Phenotype	Total Active Donors	Group O	O Positive	O Negative	Other ABO/Rh
GE:-2,-3	?	(1)	(1)	0	0
JK(a-b-)	5	0	0	0	5
Ko	0	0	0	0	0
Kp(b-)	7	2	2	0	5
MkMk	0	0	0	0	0
Rh:-34	0	0	0	0	0
U-	0	0	0	0	0
PP1Pk-	9	2	2	0	7
SC:-1	0	0	0	0	0
En(a-)	0	0	0	0	0
At(a-)	0	0	0	0	0
Di(b-)	0	0	0	0	0
Jr(a-)	1	0	0	0	1
Rh null	1	0	0	0	1
Vel(-)	15	6	4	2	9
D--	1	0	0	0	1
Oh pos	0	0	0	0	0
Oh neg	0	0	0	0	0

Country/Region: How are your rare donors found?

Yes / No	Method	Comments
Extended phenotyping donors	yes	All donors typed for Rh(C, E, c, e) K and Fya -Ortho Vision R1R1, R2R2, Rh- and R0 are typed for Jka, Kpa. Donors pos for Fya, Jka and Kpa are typed for Fyb, Jkb, Kpb and S. Homozygote for S or s are types for M,N, P1, Lea , Leb and Lua, Lub Manual tubes are used for N,S and Lub typing
Extended genotyping donors		
Family studies	Recruitment of family of patients	Information to recruit family of patients is provided to the patients for discussion with family members. Family of patients are contacted via the clinician of the blood bank.
Antibody investigations	All donors are screened for red cell antibodies using the Ortho Vision.	
Other		





ISBT

Red Cell Product Specifications

Country: Sweden

Country/Region

Donor Selection

Donation	Voluntary	
Age or Weight Restrictions	18-75 years (some parts of Sweden have no limitations regarding to older age)	
Donation Interval		
Sexual Activity Precautions	Positive for HIV, Hepatitis B/C, or HTLV	Permanent deferral
	Male to male sex	6 month deferral
	Sex worker or contact with sex worker	6 month deferral
Travel Exclusions If donor has returned from an area endemic for the listed infectious illnesses	Dengue	28 days deferral
	Ebola	
	Malaria	6 month deferral
	West Nile Virus	28 days deferral
Lifestyle	Acupuncture, piercing or tattoo	6 month deferral
	Drug use (Non-prescribed injected)	Permanent deferral
	Incarceration	No restrictions
CJD restrictions	Travel in Great Britain, for at least 6 months, during 1980-1996 will only give restrictions for plasma donation.	
Covid restrictions	COVID19 vaccine administration	3 days deferral
	COVID infection	5 days after a positive test(without fever) if the last 2 days are free from symptoms. 14 days without fever
	Household contact	According to the relevant public health guidelines

Country/Region

Mandatory Infectious Diseases Screening of Blood Products		
	Screening test	Risk of blood transfusion transmission
HIV	HIV-1/2 Ab (also detects HIV p24 Ag)	No transmission since 1985
HCV	HCV ab	No data available
HBV	HbsAg	No data available
Syphilis	Treponemal Ab	No data available
HTLV (1 & 2)	HTLV I/II ab for new donors.	No data available
CMV	Erythrocytes are leukodepleted.	No data available
Zika Virus	NA	28 days deferral after visit in an endemic area
West Nile Virus	NA	28 days deferral after visit in an endemic are
Babesia	NA	
Trypanosoma cruzi (T. cruzi) Chagas Disease	Donors who have lived at least five years in an area with occurrence of T.cruzi are screened for antibodies	

Country/Region:

Red Cell Blood Product

Description A red cell component obtained by removing most of the plasma after centrifuging whole blood collected into anticoagulant. The red cells may be resuspended in other additives to prolong storage and are filtered to remove most leucocytes.

Anticoagulant

Citrate phosphate dextrose (CPD)

Additive Solution

Saline adenine glucose mannitol (SAG-M)

Leukofiltration

leucocyte reduced to $<1 \times 10^6$ /unit

Average volume

250 ml

Storage Temperature

2-6 °C

Transport Temperature

2°C to 10°C

Storage Duration

42 days
paediatric products: 14 days
washed erythrocytes: 14 days

Irradiation Policy

X-ray irradiation: 25-50Gy

Country/Region

Red Cell Blood Product

Red Cell Blood Product	
Description	
Anticoagulant	
Additive Solution	
Leukofiltration	
Average volume	
Storage Temperature	
Transport Temperature	
Storage Duration	
Irradiation Policy	
Other	



ISBT

Frozen Inventory

Country: Sweden /Umeå

Country/Region:

General Information

Freezing Method	APC 215
Frozen Expiry (years)	40 years
Storage Temperature	-80 °C
Can inventory be issued and sent frozen	Yes
Thawing Method	Deglycerolisation with 12% and 0.9% saline using Haemonetics ACP-.215 cell washer
Thawed Expiry (days)	1-3 days
Additive Solution	SAGM
Irradiation Policy	Not a registered process
IUT and Neonate use	Not a registered process
Supply out of date Policy	The product is not used

Country/Region:

Product Specifications

Product Specifications
Volume
Supernatant Haemoglobin
Haematocrit
Haemoglobin
Osmolarity
Residual leucocyte content
Sterility
Other

The screenshot shows the IRDP website interface. The main area is a world map with several red and blue location markers. The right sidebar contains the following donor information:

Donor 4737235	
IRDP ID:	002573
ABO Group:	O
Antigens present:	Co ⁺ , Le ^a , e, s, Jk ^b , C, Jk ^b , N, D, Fy ^a
Rhities:	Co(-)
Antigens absent:	kg ^a , Co ⁻ , Le ^b , M, Fy ^a , S, c, K, E
25 donors and 33 frozen units	

Donor 3438459	
IRDP ID:	002581
ABO Group:	O
Antigens present:	Co ⁺ , Fy ^a , s, c, Jk ^b , Le ^a , Fy ^a , E, C, e, Jk ^a , D, M
Rhities:	Co(-)
Antigens absent:	N, S, K, C ^{III} , Lu ^a , Le ^b , kg ^a , Co ⁻ , P1

3191018 (5 Frozen Units)	
IRDP ID:	002761
ABO Group:	O
Antigens present:	Le ^a , D, e, Lu ^a , Jk ^b , Fy ^a , M, Vel, N, s, Jk ^a , C, Co ⁺
Rhities:	Co(-)
Antigens absent:	P1, S, kg ^a , K, Co ⁻ , Le ^b , c, Fy ^a , Lu ^a , C ^{III} , E

3504950 (4 Frozen Units)	
Donors:	0
Rhities:	Co(-)



Ordering and Shipping

Country: Sweden

Sweden /Umeå:

Exporting

Request form available	yes
Government Requirements	No
Regulatory Requirements	
Rare Donor Program Requirements	Preferred courier – World Couriers Completed request form
Other	

Country/Region:

Importing

Importing	
Government Requirements	No
Regulatory Requirements	No
Rare Donor Program Requirements	No
Other	