



International Rare Donor Panel

The IRDP database can only be accessed by authorised users.

[Access the database](#)



Rare Donor Program

Country: **Brazil**

Brazil

Rare Donor Program

Rare Donor Program	YES
National Regional or Facility based	National
Number of Rare Donors	6628
Definition of Rare	Negative phenotype less than 1 in 1000; Negative for a high prevalence antigen; unusual combinations of common antigens
Are the donors listed in the International Rare Donor Panel	NO
Frozen Inventory	NO
How are Rare Donors found	Selected donors by phenotyping and genotyping
Number of Rare Donor Units used per year	< 10 units per year
ISBT Rare Donor WP Blood Shipment form used	YES
Outcome of incompatible transfusion form used	NO
Most difficult types to find	Rh Null
Phenotypes confirmed by molecular testing	Some rare donors identified have molecular testing performed

Brazil

Phenotype	Total Active Donors	Group O	O Positive	O Negative	Other ABO/Rh
GE:-2,-3	7	5	5	0	2
JK(a-b-)	10	10	7	3	0
Ko	4	4	1	3	0
Kp(b-)	34	27	14	13	7
MkMk	NA	NA	NA	NA	NA
Rh:-34	4	4	0	4	0
U-	59	46	43	3	13
PP1PK-	93	81	32	19	12
SC:-1	NA	NA	NA	NA	NA
En(a-)	NA	NA	NA	NA	NA
At(a-)	NA	NA	NA	NA	NA
Di(b-)	44	33	26	7	11
Jr(a-)	NA	NA	NA	NA	NA
Rh null	4	2	0	2	2
Vel(-)	1	NA	NA	NA	1
D--	2	1	1	NA	1
Oh	3	3	2	1	

Brazil

How are your rare donors found?

	Yes / No	Method	Comments
Extended phenotyping donors	Yes	Neo Galileu Immucor/ Erytra Grifols / IH500 BioRad Manual Gel testes / Tube tests	
Extended genotyping donors	Yes	Selected donors (10% donations) Immucor BeadChip HEA kit	In some cases the rare phenotype is confirmed by sequencing
Family studies	Rare cases	Recruitment of family (some cases)	
Antibody investigations	Yes	All donors are screened for red cell antibodies Neo Galileu Immucor/ Erytra Grifols / IH500 BioRad Manual Gel testes / Tube tests	
Other		NA	NA



ISBT

Red Cell Product Specifications

Country: **Brazil**

Brazil

Donor Selection		
Donation	Voluntary	
Age or Weight Restrictions	16 -69 years and 11 months ; > 50 Kg	
Donation Interval	Female : 3 months (maximum 3 times/year) ; Male: 2 months (maximum 4 times/year); age 60-69 years 6 months	
Sexual Activity Precautions	Positive for HIV, Hepatitis B/C, or HTLV	Permanent deferral
	Male to male sex	More than 1 partner: 12 months deferral
	Sex worker or contact with sex worker	12 months deferral
Travel Exclusions If donor has returned from an area endemic for the listed infectious illnesses	Dengue	4 weeks deferral
	Ebola	According to the relevant public health guidelines
	Malaria	According to Brazilian Malaria annual incidence rate : 30 days or 12 months;
	West Nile Virus	According to the relevant public health guidelines
Lifestyle	Acupuncture, piercing or tattoo	12 months deferral
	Drug use (Non-prescribed injected)	Permanent deferral
	Incarceration	12 months deferral
CJD restrictions		
Covid restrictions	COVID19 vaccine administration	3 days deferral (RNA Vaccine) 1 week deferral viral vaccine
	COVID infection	7 days deferral from last symptoms
	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 + O + P24 Ab (CMIA) & RNA by NAT	
HCV	HCV Ab (CMIA) & RNA by NAT	
HBV	HBsAg (CMIA) & anti- HBc (CMIA) & HBV DNA by NAT	
Syphilis	Treponemal Ab ((CMIA)	
HTLV (1 & 2)	HTLV-1/2 Ab (CMIA)	
CMV	Not routinely screened	
Zika Virus	NA	
West Nile Virus	NA	
Babesia	NA	
Trypanosoma cruzi (T. cruzi) Chagas Disease	T Cruzi Ab (CMIA)	

Brazil

Red Cell Blood Product

Description	Red blood Cell (RBC) component obtained by removing most of the plasma after centrifuging whole blood collected into CPDA1. The RBC may be resuspended in additives solutions to prolong storage and some units are filtered to remove leucocytes
Anticoagulant	CPDA1
Additive Solution	SAG-M
Leukofiltration	Leucocyte reduced to 1X106/unit
Average volume	260 +/- 15mL
Storage Temperature	2 to 6° C
Transport Temperature	2 to 10 ° C
Storage Duration	35 or 42 days
Irradiation Policy	Gamma irradiation 25 Gy
Other	NA

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	



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Frozen Inventory

Country: **Brazil**

Country/Region: Brazil

General Information

Freezing Method	NA
Frozen Expiry (years)	NA
Storage Temperature	NA
Can inventory be issued and sent frozen	NA
Thawing Method	NA
Thawed Expiry (days)	NA
Additive Solution	NA
Irradiation Policy	NA
IUT and Neonate use	NA
Supply out of date Policy	NA

Country/Region:

Product Specifications

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

The screenshot displays the IRDP website interface. On the left is a navigation menu with options like Home, Recent, Pinned, Find Blood, Rare Blood Search, Search History, Help Finding Blood, Contribute, Institutions, Contacts, Donors/Units, Contributor Dashboards, and Help Maintaining Data. The main area features a world map with red and blue location pins. On the right, a detailed donor profile is shown for Donor 4737235, including their IRDP ID (002573), ABO Group (O), and various antigen and antibody test results.

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(a-)
Antigens absent:	kg ^a , Co ⁻ , Le ^b , M, Fy ^a , S, c, K, E

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(a-)
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 ⁺
Donors:	0
Rhities:	Co(a-)
Antigens absent:	P1, S, kg ^a , K, Co ⁻ , Le ^b , c, Fy ^a , Lu ^a , C ^{III} , E

3504950 (4 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 ⁺
Donors:	0
Rhities:	Co(a-)
Antigens absent:	P1, S, kg ^a , K, Co ⁻ , Le ^b , c, Fy ^a , Lu ^a , C ^{III} , E



Ordering and Shipping

Country: Brazil

Country/Region: Brazil

Exporting

Request form available	YES
Government Requirements	National Blood Authority Approval to supply blood products to Organizations Overseas
Regulatory Requirements	According to the Brazilian Regulatory Agency (ANVISA)
Rare Donor Program Requirements	Completed request form
Other	NA

Country/Region: Brazil

Importing

Government Requirements	National Blood Authority Approval to supply blood products to Organizations Overseas
Regulatory Requirements	According to the Brazilian Regulatory Agency (ANVISA)
Rare Donor Program Requirements	Completed request form
Other	NA