



## International Rare Donor Panel

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Rare Donor Program

Country: Brazil (Sírio-Libanês Blood Bank)

## Sírio-Libanês Blood Bank (Brazil)

### Rare Donor Program

<b>Rare Donor Program</b>	Yes
<b>National Regional or Facility based</b>	In hospital based blood bank
<b>Number of Rare Donors</b>	114
<b>Definition of Rare</b>	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.
<b>Are the donors listed in the International Rare Donor Panel</b>	Yes
<b>Frozen Inventory</b>	Yes
<b>How are Rare Donors found</b>	Selected donor phenotyping and genotyping Corresponding antibody detected in a donor or patient Family studies
<b>Number of Rare Donor Units used per year</b>	<10 units per year
<b>ISBT Rare Donor WP Blood Shipment form used</b>	Yes
<b>Outcome of incompatible transfusion form used</b>	Yes
<b>Most difficult types to find</b>	Rh null, D--, K <sub>0</sub> , U-, PP <sub>1</sub> Pk-
<b>Phenotypes confirmed by molecular testing</b>	In some cases, molecular tests are performed.

## Sírio-Libanês Blood Bank (Brazil)

Phenotype	Total Active Donors	Group O	O Positive	O Negative	Other ABO/Rh
GE:-2,-3	0	0	0	0	0
Jk(a-b-)	0	0	0	0	0
K <sub>0</sub>	1	1	1	0	0
Kp(b-)	4	4	4	0	0
MkMk	0	0	0	0	0
Rh:-34	0	0	0	0	0
U-	0	0	0	0	0
PP1Pk-	0	0	0	0	0
SC:-1	0	0	0	0	0
En(a-)	0	0	0	0	0
At(a-)	0	0	0	0	0
Di(b-)	11	10	10	0	1
Jr(a-)	0	0	0	0	0
Rh null	0	0	NA	NA	0
Vel(-)	9	8	8	0	1
D--	0	0	0	NA	0
Oh	0	NA	NA	NA	NA
Kx-	2	0	0	0	2
<b>k- (cellano)</b>	<b>84</b>	<b>52</b>	<b>45</b>	<b>7</b>	<b>32</b>

## Sírio-Libanês Blood Bank (Brazil)

### How are your rare donors found?

	Yes / No	Method	Comments
<b>Extended phenotyping donors</b>	Yes	Group O donors are typed for Rh (C, E, c, e) and K. – Biorad (IH 1000)	.
<b>Extended genotyping donors</b>	No	.	.
<b>Family studies</b>	Yes	Recruitment of family of donors and patients	Information to recruit family of donors is provided to the donor for discussion with family members. Family of patients are contacted via the treating clinician with patient consent.
<b>Antibody investigations</b>	Yes	All donors are screened for red cell antibodies using the Biorad (IH 1000).	Antibody identification in patients and donors may require the use of many different techniques, including molecular testing to determine the specificity.
<b>Other</b>	NA	NA	NA



ISBT

Red Cell Product Specifications  
Country: Brazil (Gilo Libardi Blood Bank)

# Sírio-Libanês Blood Bank (Brazil)

## Donor Selection – Whole Blood

Donation	Voluntary	
<b>Age or Weight Restrictions</b>	New donors: 16 to 60 years First donation: 16 to 60 years >50 kg	
<b>Donation Interval</b>	Men: 90 days (3 months); women: 120 days (4 months)	
<b>Sexual Activity Precautions</b>	Positive for HIV, Hepatitis B/C, or HTLV	Permanent deferral
	Male to male sex	If up to 3 sexual partners in 1 year, since the last one with sexual intercourse at least 4 months ago: no restriction; if less than 4 months: 1 year deferral. If more than 3 sexual partners in 1 year: 1 year deferral.
	Sex worker or contact with sex worker	1 year deferral
<b>Travel Exclusions</b> <i>If donor has returned from an area endemic for the listed infectious illnesses</i>	Dengue	4 weeks deferral
	Chikungunya	4 weeks deferral
	Ebola	8 weeks deferral
	Malaria	Antibody screening if donor has visited an endemic area in previous 30 days until 12 months. After 12 months, no restrictions
	West Nile Virus	4 weeks deferral
<b>Lifestyle</b>	Acupuncture, piercing or tattoo	1 year deferral
	Drug use (Non-prescribed injected)	Permanent deferral
	Incarceration	Deferral for 12 months from date of release
<b>CJD geographic restrictions</b>	If the donor stayed in the United Kingdom and/or the Republic of Ireland for more than 3 months cumulatively after 1980 until December 31, 1996 or stayed in Europe for 5 years or more consecutively or intermittently after 1980 until the present time: permanent deferral	
<b>COVID restrictions</b>	COVID19 vaccine administration	7 days deferral
	COVID infection	30 days deferral from last symptoms
	Household contact	According to the relevant public health guidelines

## Sírio-Libanês Blood Bank (Brazil)

Mandatory Infectious Diseases Screening of Blood Products		
Screening test		Risk of blood transfusion transmission
<b>HIV</b>	HIV-1/2 Ab (also detects HIV p24 Ag) & RNA by NAT	<1 in 1 million risk of blood transfusion transmission
<b>HCV</b>	HCV Ab & RNA by NAT	<1 in 1 million risk of blood transfusion transmission
<b>HCB</b>	HBsAg & HBV DNA by NAT	<1 in 1 million risk of blood transfusion transmission
<b>Syphilis</b>	Treponemal Ab	<1 in 1 million risk of blood transfusion transmission
<b>HTLV (1 &amp; 2)</b>	HTLV-1/2 Ab	<1 in 1 million risk of blood transfusion transmission
<b>CMV</b>	Not routinely screened Leucodepleted blood products are considered CMV safe	<1 in 1 million risk of blood transfusion transmission
<b>Zika Virus</b>	NA	
<b>West Nile Virus</b>	NA	
<b>Babesia</b>	NA	
<b>Trypanosoma cruzi (T. cruzi) Chagas Disease</b>	T. Cruzi Ab	<1 in 1 million risk of blood transfusion transmission

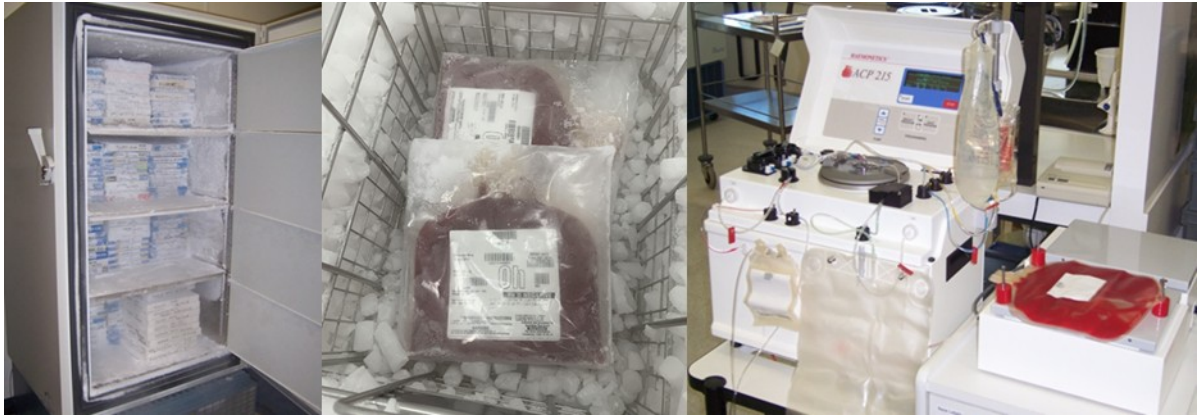
## Sírio-Libanês Blood Bank (Brazil)

Red Cells	Leucocyte Depleted	Paediatric Leucocyte Depleted	Washed Leucocyte Depleted
<b>Description</b>	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.	A leucocyte depleted red cell component divided into two or more packs for the purpose of reducing donor exposure for small paediatric transfusions and to minimise product wastage.	Red cells leucocyte depleted are washed with sterile saline solution using a manual process to remove the majority of unwanted plasma proteins, antibodies and electrolytes. The washed red cells are resuspended in saline solution.
<b>Anticoagulant</b>	Citrate phosphahte dextrose (CPD) 66.5 mL +/- 10% per pack of whole blood	Citrate phosphahte dextrose (CPD)	Citrate phosphate dextrose (CPD) 66.5 mL +/- 10% per pack of whole blood
<b>Additive Solution</b>	Saline adenine glucose mannitol (SAG-M) 105 +/- 10% mL	Saline adenine glucose mannitol (SAG-M)	Saline solution
<b>Average volume</b>	260 +/- 15 mL	60 +/- 4 mL	258 +/- 18 mL
<b>Storage Duration</b>	42 days	42 days	24 hours
<b>Leukofiltration</b>	leucocyte reduced to <math>1 \times 10^6</math>/unit		
<b>Storage Temperature</b>	2°C to 6°C		
<b>Transport Temperature</b>	2°C to 10°C		
<b>Modifications</b>	Phenotyped, irradiated		
<b>Irradiation Policy</b>	Gamma irradiation: 25-50Gy or X-ray irradiation		



## Sírio-Libanês Blood Bank (Brazil)

	For Intrauterine Transfusion	Frozen Leucocyte Depleted
<b>Description</b>	A hyper-concentrated red cell component less than five days old with a haematocrit of 0.70–0.85 obtained by removing most of the plasma/additive solution. The red cells may be resuspended in saline solution to achieve the desired haematocrit.	Used for patients with rare red cell phenotypes, or multiple red cell antibodies and for autologous collections when liquid-preserved blood cannot fulfil demands. <b>Can be supplied internationally as a frozen product and thawed locally</b>
<b>Anticoagulant</b>	Citrate phosphate dextrose (CPD)	Citrate phosphate dextrose (CPD)
<b>Additive Solution</b>	Saline adenine glucose mannitol (SAG-M)	Glycerol is added to red cells as a cryoprotectant
<b>Leukofiltration</b>	leucocyte reduced to $<1 \times 10^6$ /unit	leucocyte reduced to $<1 \times 10^6$ /unit
<b>Average volume</b>	>220 mL	>185 mL
<b>Storage Temperature</b>	2°C to 6°C	-65°C to -80°C Frozen within 7 days of collection 2°C to 6°C once thawed
<b>Transport Temperature</b>	2°C to 10°C	Below -65°C 2°C to 10°C once thawed
<b>Storage Duration</b>	24 hours post irradiation	10 years
<b>Irradiation Policy</b>	Gamma irradiation: 25-50Gy or X-ray irradiation Red cells for IUT must be irradiated. Once irradiated the component must be used within 24 hours.	Gamma irradiation: 25-50Gy or X-ray irradiation
<b>Other</b>	ABO, RhD compatible with both mother and fetus, K negative. Should be antigen-negative for maternal alloantibodies, IAT crossmatch compatible with the maternal plasma and CMV seronegative. If the fetal blood group is unknown use group O, RhD negative red cells.	Prior to transfusion, glycerol must be removed from the thawed component by washing the cells with sodium chloride. After washing, the red cells are resuspended in additive solution or and must be used within 24 hours. There will be some loss of red cells during the freezing and thawing process. When requesting frozen red cells it should be noted that thawing and processing time is several hours.



ISBT

Frozen Inventory  
Country: Brazil (Gilo Libardi Blood Bank)

## Sírio-Libanês Blood Bank (Brazil)

### General Information

<b>Freezing Method</b>	Valeri Method
<b>Frozen Expiry (years)</b>	10 years Exceptionally rare units may be retained beyond expiry.
<b>Storage Temperature</b>	≤ -65°C
<b>Can inventory be issued and sent frozen</b>	Yes
<b>Thawing Method</b>	Deglycerolisation with 12% and 0.9% saline using COBE 2991 cell washer
<b>Thawed Expiry (days)</b>	24 hours
<b>Additive Solution</b>	SAGM
<b>Irradiation Policy</b>	Not a registered process, but may be issued as a patient tailored product
<b>IUT and Neonate use</b>	Not a registered process, but may be issued as a patient tailored product
<b>Supply out of date Policy</b>	Exceptionally rare units may be retained beyond expiry . If required for issue they are released as a non-confirming product

## Sírio-Libanês Blood Bank (Brazil)

### Product Specifications

<b>Volume</b>	> 185mL
<b>Supernatant Haemoglobin</b>	<0.2 g/unit
<b>Haematocrit</b>	50-75%
<b>Haemoglobin</b>	≥36
<b>Osmolarity</b>	≤340
<b>Residual leucocyte content</b>	< 1.0 x 10 <sup>9</sup> /unit)
<b>Sterility</b>	No growth
<b>Other</b>	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 pins indicating donor locations across Europe, Africa, Asia, and South America. On the right, a detailed donor profile is shown for Donor 4737235, including their IRDP ID, ABO Group, Rarities, and Antigen/Antibody status.

Donor 4737235	
IRDP ID:	002573
ABO Group:	O
Rarities:	Co(-)
Antigens present:	Co <sup>a</sup> , Le <sup>a</sup> , e, s, Jk <sup>b</sup> , C, Jk <sup>b</sup> , N, D, Fy <sup>a</sup>
Antigens absent:	Kp <sup>a</sup> , Co <sup>b</sup> , Le <sup>b</sup> , M, Fy <sup>a</sup> , S, c, K, E

Donor 3438459	
IRDP ID:	002581
ABO Group:	O
Rarities:	Co(-)
Antigens present:	Co <sup>a</sup> , Fy <sup>a</sup> , s, c, Jk <sup>b</sup> , Le <sup>a</sup> , Fy <sup>a</sup> , E, C, e, Jk <sup>a</sup> , D, M
Antigens absent:	N, S, K, C <sup>III</sup> , Lu <sup>a</sup> , Le <sup>b</sup> , Kp <sup>a</sup> , Co <sup>b</sup> , P1

3191018 (5 Frozen Units)	
IRDP ID:	002761
ABO Group:	O
Rarities:	Co(-)
Antigens present:	Le <sup>a</sup> , D, e, Lu <sup>a</sup> , Jk <sup>b</sup> , Fy <sup>a</sup> , M, Vel, N, s, Jk <sup>a</sup> , C, Co <sup>b</sup>
Antigens absent:	P1, S, Kp <sup>a</sup> , K, Co <sup>b</sup> , Le <sup>b</sup> , c, Fy <sup>b</sup> , Lu <sup>a</sup> , C <sup>III</sup> , E

3504950 (4 Frozen Units)	
IRDP ID:	002761
ABO Group:	O
Rarities:	Co(-)
Antigens present:	Le <sup>a</sup> , D, e, Lu <sup>a</sup> , Jk <sup>b</sup> , Fy <sup>a</sup> , M, Vel, N, s, Jk <sup>a</sup> , C, Co <sup>b</sup>
Antigens absent:	P1, S, Kp <sup>a</sup> , K, Co <sup>b</sup> , Le <sup>b</sup> , c, Fy <sup>b</sup> , Lu <sup>a</sup> , C <sup>III</sup> , E



Ordering and Shipping  
Country: Brazil (Globo-Libards Blood Bank)

## Sírio-Libanês Blood Bank (Brazil)

### Exporting

<b>Request form available</b>	Yes
<b>Government Requirements</b>	National Blood Authority Approval to Supply Blood Products to Organisations for Use Overseas facilitated by Lifeblood Customs invoice supplied by Lifeblood
<b>Regulatory Requirements</b>	TGA Export Permit supplied by Lifeblood
<b>Rare Donor Program Requirements</b>	Preferred courier – World Couriers Completed request form
<b>Other</b>	NA

## Sírio-Libanês Blood Bank (Brazil)

### Importing

<b>Government Requirements</b>	NA
<b>Regulatory Requirements</b>	Notification of requirement to import via the TGA Special Access Scheme - Category A
<b>Rare Donor Program Requirements</b>	A copy of all test results for the donation e.g. blood group, phenotype and infectious disease screening Temperature monitored transport (Preferred courier – World Couriers)
<b>Other</b>	NA