



International Rare Donor Panel

The IRDP database can only be accessed by authorised users.

[Access the database](#)



Rare Donor Program

Country: Germany

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Rare Donor Program

Rare Donor Program	Yes
National Regional or Facility based	facility based
Number of Rare Donors	approx. 2000
Definition of Rare	Negative for clinical relevant antigen >99.5%, rare RH phenotype (CCD.EE, ccddEE, CCddee, D--) Negative for a high prevalence antigen (less than 1 in 1.000) or combination of two or more antibodies and a frequency of less than 1 in 1.000 of compatible donations
Are the donors listed in the International Rare Donor Panel	part of the donors
Frozen Inventory	yes
How are Rare Donors found	phenotyping and genotyping of suitable random donors (0 Rh ccddee, 0 Rh CCD.ee, and 0 Rh ccD.EE), systematic screen, antibody formation, relatives of patients
Number of Rare Donor Units used per year	30
ISBT Rare Donor WP Blood Shipment form used	Some of the services use the form
Outcome of incompatible transfusion form used	Offered by blood services but so far not used by customers
Most difficult types to find	Rhnull, D - -, U neg, Lan neg
Phenotypes confirmed by molecular testing	More than 50 %

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Phenotype	Total Active Donors	Group O	O Positive	O Negative	Other ABO/Rh
GE:-2,-3	0				
JK(a-b-)	0				
Ko	0				
Kp(b-)	21	14	7	7	7
MkMk	0				
Rh:-34	0				
U-	3	0	0	0	3
PP1PK-	0				
SC:-1	0				
En(a-)	0				
At(a-)	0				
Di(b-)	0				
Jr(a-)	2				
Rh null	2	0	0	0	2
Vel(-)	64	44	32	12	20
D--	3	2	2	0	1
Oh	5	5	5	0	

Germany

How are your rare donors found?

	Yes / No	Method	Comments
Extended phenotyping donors	Yes		
Extended genotyping donors	Yes	SSP-PCR, MALDI-TOF, NGS	
Family studies	Yes	Genotyping	
Antibody investigations	Yes	Column agglutination	
Other			



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Red Cell Product Specifications

Country: Germany

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Donor Selection

Donation	Voluntary/exchange	
Age or Weight Restrictions	> 18 yrs; > 50 kg	
Donation Interval	> 56 days	
Sexual Activity Precautions	Positive for HIV, Hepatitis B/C, or HTLV	permanent deferral
	Male to male sex	4 month deferral
	Sex worker or contact with sex worker	4 month deferral
Travel Exclusions If donor has returned from an area endemic for the listed infectious illnesses	Dengue	6 month deferral
	Ebola	6 month deferral
	Malaria	6 month deferral
	West Nile Virus	none
Lifestyle	Acupuncture, piercing or tattoo	4 month deferral
	Drug use (Non-prescribed injected)	permanent deferral
	Incarceration	4 month deferral
CJD restrictions	patients and all relatives are deferred	
Covid restrictions	COVID19 vaccine administration	1 day deferral
	COVID infection	4 week deferral
	Household contact	

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Mandatory Infectious Diseases Screening of Blood Products		
	Screening test	Risk of blood transfusion transmission
HIV	HIV-1/2 Ab & RNA by NAT	< 1 in 4 mio
HCV	HCV Ab & RNA by NAT	< 1 in 10 mio
HBV	HBsAg + anti-HBc (most services also DNA by NAT)	< 1 in 1 mio
Syphilis	Treponemal Ab	no data available
HTLV (1 & 2)	No	no data available
CMV	Donor antibodies or NAT, on request	no data available
Zika Virus	No	no data available
West Nile Virus	June to December by NAT	no data available
Babesia	No	no data available
Trypanosoma cruzi (T. cruzi)	No	no data available
Chagas Disease	No	no data available

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Red Cell Blood Product

Red Cell Blood Product	
Description	
Anticoagulant	CPD
Additive Solution	PAGGS-M
Leukofiltration	yes
Average volume	NA (Hb > 40 g/unit)
Storage Temperature	4 +/- 2 °C
Transport Temperature	2 °C < T < 10 °C
Storage Duration	49 days
Irradiation Policy	Irradiation on request (>25 Gy)
Other	NA

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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: Germany

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General Information

Freezing Method	High glycerol; low glycerol
Frozen Expiry (years)	10
Storage Temperature	< -80 °C; liquid nitrogen
Can inventory be issued and sent frozen	no
Thawing Method	12 % NaCl, Haemonetics; 3 % NaCl, manual preparation
Thawed Expiry (days)	1
Additive Solution	PAGGS-M
Irradiation Policy	on request
IUT and Neonate use	yes
Supply out of date Policy	no regulation

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Product Specifications

Volume	NA
Supernatant Haemoglobin	NA
Haematocrit	0.5 – 0.75
Haemoglobin	> 36 g unit
Osmolarity	Osmolality: as of the wash solution plus 10 % (mOSm/kg H ₂ O)
Residual leucocyte content	< 1 x 10 ⁶
Sterility	no growth, all wash solutions to be tested
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(-)
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(-)
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(-)
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(-)
Antigens absent:	P1, S, kg ^a , K, Co ⁻ , Le ^b , c, Fy ^a , Lu ^a , C ^{III} , E



Ordering and Shipping

Country: Germany

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Exporting

Request form available	no
Government Requirements	blood product approved by the authority of the country of donation/production
Regulatory Requirements	
Rare Donor Program Requirements	none
Other	NA

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Importing

Government Requirements

Regulatory Requirements

Rare Donor Program Requirements

Other