

ISBT
CANCUN
2012

32nd International Congress of the ISBT
in joint cooperation with the 10th Congress of AMMTAC
Cancun, Mexico, July 7 - 12, 2012



ISBT WORKING PARTY ON RARE DONORS

FINLAND

Have a national Rare Donor Program: **Yes,**

Finnish Red Cross Blood Service, Reference laboratory , working with

- **270 000 donor samples / year**
- **4000 antibody identifications for patient samples / year**
- **81 000 antibody screenings for antenatal samples / year**

Number of Donors in Database:

- **All together 790 000 donors**
- **169 rare donors**

FINLAND

Definition of Rare:

Rare type	Donors	Frozen units	Frequency, %
Co(a-b+)	6	8	0,07
Do(a+b-)	1	7	< 0,01
ii	4	-	< 0,01
Jk:-3	58	28	0,03
Kp(a+b-)	3	5	< 0,01
Ko	1	1	< 0,01
Lu(a+b-)	6	5	0,01
Lu(a-b-)	2*	4	< 0,01 *Likely In(Lu)
LW(a-b+)	40	30	0,09
p	1	0	< 0,01
Pk	6	3	< 0,01
Rh:-51	35	5	0,015
Yt(a-b+)	4	6	0,20

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Number of Frozen Rare Cells: 171 frozen units, started on April 2010

How are Rare Donors found?:

- automated donor screening,
 - Olympus PK, urea test (2009, 99 000 donor samples) 22 new Jk:-3 donors
- donor screening
 - Pk donors
- family studies after finding a propositus
 - Jk:-3, Pk, LWa-, Vel neg, Rh:-51
- in near future with molecular screening and ethnic donor screening

Number of Rare Donor units used per year:

- 30-40 fresh units and 20 frozen units are send to the customers

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Shipping Outcome form used?: **Not an official form,**
but we check every time from receiving institution by email where the
units in acceptable condition, where the units received as expected etc.

Most difficult types to find:

- **Vel neg, Umeå Sweden**
- **Oh, Ulm Germany**
- **Hr^s neg, South Africa**

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Other items of interest:

- **Billing policy**