

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

Taiwan

Rare Donor Programs in Taiwan

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Have a national Rare Donor Program:

- No

Number of Donors in Database:

- Rare Donor List: 655 donors

Definition of Rare:

- Negative for high-prevalence antigen $< 1/1,000$
- Negative for multiple common antigens
- Rh(D-): 0.4% uncommon



Number of Frozen Rare Cells:

Category	Frozen blood	Category	Frozen blood
Oh	173	Fy(a-b+)	153
CDE/CDE	16	Fy(a-b-)	3
S+s-	37	JK(a-b-)	187
P(-)	2	Di(a+b-)	8
Lu(a-b-)	1	“i adult”	71
Ko	3	Jr(a-)	1



How are Rare Donors found?:

- Manual screening
 - For a specific patient or irregular antibodies screening positive donor
- Geographic selection of donors to screen
- Automated serologic screening
 - Rh, Kidd, Lewis, MNS, Mia



Number of Rare Donor units used per year: (2010-2011, Taipei Blood Center)

Blood Type	Frequency	Units
JK(a-b-)	0.023%	45
Fy(a-),Rh(C-)	0.3%	27
Rh(C-E-)	0.25%	77

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Shipping Outcome form used?:

- No

Most difficult types to find:

- The Di(b-) and Rh null donors remain short in our donor panel.

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Other items of interest:

- The project of screening for rare blood donors should be continued to increase our rare donor number.
- Recruitment and retention of rare blood donors should be addressed.



Thank

You

