SPAIN

Have a national Rare Donor Program: Yes

Number of Donors in Database: 781

Definition of Rare: We consider a phenotype to be rare when the phenotype frequency is 1 in 1000 donors or less.

Number of Frozen Rare Cells: 681

How are Rare Donors found?: 1) Specific typing for some rare antigens; 2) Some donors were patients in the past; 3) Typing for the preparation of Panels of cells for screening and identification of erythrocyte antibodies.

Number of Rare Donor units used per year: 2010: 48; 2011: 28; 2012 (January to June): 30
Shipping Outcome form used?: Shipping Form elaborated by the Spanish WP. The ISBT Form was introduced last year.

Most difficult types to find:

- Ko
- McLeod
- Co(a-b-)
- Ge:-2, -3
- Rh\(_{null}\)
- RH17
- Ge:-2
- RH29
- Cr(a-)
- LW(a-)
- In(b-)
- Sc:-1
- At(a-)
- Lan-
- RH46
- Jk:-3
- P-
- I-
- U-

We have a limited number of these phenotypes
Other items of interest:

- We have had an acceptable level of traceability in the units provided as well as in the level of efficiency in recent years (89%).

- Nevertheless, further work is necessary to reinforce the habit of reporting the final destiny of the provided units.

- Although our Panel covers most the phenotypes with clinical importance, it has not been possible to include others with a very low frequency.

- The role of the ISBT Working Party is of paramount importance in coordinating the search for these very rare phenotypes with the different members (countries) of the WP.