

FOR THE RECORD

Allele Frequency in the Population of Buenos Aires (Argentina) Using AmpliType® PM + DQA1

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Blood samples from unrelated individuals were extracted by Chelex procedure (1). DNA samples (2–5 ng) were amplified and

HLA-DQA1 (N=99)						
Allele	1.1	1.2	1.3	2	3	4
Frequency	0.152	0.116	0.091	0.076	0.202	0.364
HWE-Homozygosity Test (p = 0.164)*. Exact Test (p = 0.173)**.						

HLA-DQA1-PM loci	Power of Discrimination	Power of exclusion
	0.99957590	0.87878148

typed according to manufacturer's instructions (2). Data were analyzed using a program provided by R. Chakraborty (University of Texas School of Biomedical Sciences, Houston, Texas). Power of discrimination and probability of exclusion were calculated. The dataset can be accessed at <http://www.cnea.gov.ar/record.doc>

References

- Walsh PS, Metzger DA, Higuchi R. Chelex 100 as a medium for simple extraction of DNA for PCR-based from forensic material. *Biotechniques* 1991;10:506–13.
- Amplitype™ HLA DQ Alpha forensic DNA amplification and typing kit user guide. Roche Molecular Systems, Inc., Branchburg, New Jersey, USA, 1992.

PM loci (N=109) Allele	Frequency	P (Homozygosity Test)*	P (Exact Test)**
LDLR A	0.450	0.422	0.437
B	0.550		
GYP A A	0.610	0.347	0.412
B	0.390		
HBGG A	0.459	0.509	0.312
B	0.532		
C	0.009		
D7S8 A	0.564	0.171	0.184
B	0.436		
Gc A	0.321	0.973	0.955
B	0.202		
C	0.477		

* χ^2_{df} based on unbiased estimate with 2000 shufflings.

** Based on 2000 shufflings.

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