

Director: Dr MT Rees
Manager: Mrs D Pritchard

Tel: +44 (0) 1443 622185
Fax: +44 (0) 1443 622001
Email: ukneqashandi@wales.nhs.uk

Correspondence to:
UK NEQAS for H&I
Welsh Blood Service
Ely Valley Road
Talbot Green
Pontyclun CF72 9WB

UK NEQAS FOR H&I EDUCATIONAL SCHEME

HLA TYPING RESULTS OF SAMPLES ED03&04/2017

DISPATCHED ON 10TH OCTOBER 2017

Sample ED03/17 probable HLA type

HLA-A*02:01, A*68:01; B*40:01, B*44:02; C*03:04, C*07:04; DRB1*04:72, DRB1*11:01; DQB1*03:01, -;

Sent as an example of DRB1*04:72

Results

25 out of 35 participants (71.4%) reported HLA-DRB1*04:72 for this sample. There were 7 reports of DRB1*04 and 1 report of DRB1*04:01/72. There was one report of DRB1*04:01 and one report of DRB1*07:72:01.

Report	Number of Participants (n= 35)
DRB1*04:72 or 04:72:01	25
DRB1*04:01/72	1
DRB1*04	7
DRB1*04:01	1
DRB1*07:72:01	1

Sample ED04/17 probable HLA type

HLA-A*01:01:38L, A*02:01; B*15:17, B*57:01; C*06:02, C*07:01; DRB1*01:01, DRB1*07:01; DQB1*03:03, DQB1*05:01

Sent as an example of A*01:01:38L

Results

21 out of 35 participants (60.0%) reported HLA-A*01:01:38L for this sample. There were 3 reports of strings containing A*01:01:38L, 6 reports of A*01, and 1 report of A*01:01L. There were 3 reports of A*01:01 and 1 report of A*01:01/32/37.

Report	Number of Participants (n= 35)
A*01:01:38L	21
String containing A*01:01:38L	3
A*01:01L	1
A*01	6
A*01:01	3
A*01:01/32/37	1

Reference

Dunn PP, Hammond L, Coates E, Street J, Griner L, Darke C. A "silent" nucleotide substitution in exon 4 is responsible for the "alternative expression" of HLA-A*01:01:38L through aberrant splicing. *Hum Immunol* 2011, **72**, 717-22.

Scheme results summaries may be downloaded from our website: <http://www.ukneqashandi.org.uk>

UK NEQAS for Histocompatibility and Immunogenetics is operated by Velindre NHS Trust, a UKAS proficiency testing provider No 8351.

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