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## UK NEQAS FOR H&I EDUCATIONAL SCHEME

### HLA TYPING RESULTS OF SAMPLES ED01&02/2021

DISPATCHED ON 20<sup>th</sup> JULY 2021

#### **Sample ED01/2021 probable HLA type**

HLA- A\*02:739, A\*29:02; B\*08:01, B\*56:01; C\*01:02, C\*07:01; DRB1\*03:01, DRB1\*08:01; DRB3\*01:01, DRB3\*-;  
DQB1\*02:01, DQB1\*04:02; DQA1\*04:01, DQA1\*05:01; DPA1\*01:03 DPA1\*02:01; DPB1\*01:01, DPB1\*04:01

#### **Sent as an example of A\*02:739**

##### **Results**

26 out of 33 participants (79%) reported HLA-A\*02:739 for this sample. There was 4 reports of A\*02 (12%), 1 report of A\*02:01 (3%) and 1 report (3%) of a string of alleles including A\*02:739.

Reported type	Number of Participants (n=33)
A*02	4 (12%)
A*02:01	1 (3%)
A*02:739	26 (79%)
A*02 string including 02:739	1 (3%)
Not reported	1 (3%)

#### **Sample ED02/2021 probable HLA type**

HLA- A\*02:01, A\*03:01; B\*39:31, B\*40:01; C\*03:04, C\*12:03; DRB1\*04:07, DRB1\*08:01; DRB4\*01:03, DRB4\*-;  
DQB1\*03:01, DQB1\*04:02; DQA1\*03:03, DQA1\*04:01; DPA1\*01:03, DPA1\*-; DPB1\*02:01, DPB1\*03:01

#### **Sent as an example of B\*39:31**

##### **Results**

27 out of 33 participants (82%) reported HLA-B\*39:31 for this sample. There were 5 reports (15%) of B\*39 and 1 report (3%) of a string of alleles including B\*39:31. Interestingly, of the 27 labs that identified B\*39:31, 9 labs submitted a definition to the 3<sup>rd</sup> field (B\*39:31:01) and 2 labs defined to the 4<sup>th</sup> field (B\*39:31:01:02).

Reported type	Number of Participants (n=33)
B*39	5 (15%)
B*39:31	27 (82%)
B*39 string including 39:31	1 (3%)

A number of labs also commented about the ambiguous DP type for this sample stating that DPB1\*02:01:02 DPB1\*03:01:01 is ambiguous with DPB1\*124:01:01 DPB1\*352:01:02 (2 labs) or HLA DPB1\*57:01 DPB1\*109:01 (1 lab).

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

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

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