



American Foundation for Donation and Transplantation
8154 Forest Hill Avenue, Suite 3
Richmond, VA 23235-3255
Ph: (804) 323-9890

HLA Typing Summary Report

Five whole blood samples were sent to 28 laboratories. HLA typing results were obtained for Serology typing, Low resolution DNA typing with translation to HLA Antigens, and High Resolution typing. Grading was provided for Serology Typing, Antigen Level typing by DNA methods, and High resolution typing. Consensus was based on 80% concordance. Serology only laboratories were only graded for antigens which have a serological equivalent. Laboratories also have the option to type for DQA1, DPB1 and DPA1. Inter-laboratory results are provided for these results for self-assessment.

Consensus Results - July 2011 / Ev02

Cell 502

Locus	Antigen	% Cons	Hi Res	% Cons	Lo Res	% Cons	Serology	% Cons
A	24	100	24:02	100	24	100	24	100
A	31	100	31:01	88	31	100	31	100
B	39	100	39:05	100	39	100	39	88
B	44	100	44:02	100	44	100	44	100
Bw4	P	100	n/a	0	P	100	P	100
Bw6	P	100	n/a	0	P	100	P	100
C	5	100	05:01	100	05	100	5	94
C	7	100	07:02	100	07	100	7	100
DR	4	100	04:02	100	04	100	4	100
DR	BL	70	04:10	100	BL	77	BL	100
DRw	53	100	DRB3=NT	100	DRB3=N	100	53	100
			DRB4=01:03	100	DRB4=P	100		
			DRB5=NT	100	DRB5=N	100		
DRw	BL	93	DRB3=NT	100			BL	100
			DRB4=BL	100				
			DRB5=NT	100				
DQ	8	97	03:02	100	03	88	8(3)	100
DQ	BL	89	BL	77	BL	92	BL	100
#Labs	27		9		26		17	

Comments: Excellent concordance. Unusual alleles B*39:05 and C*04:10 in presence of 04:02 were present in this cell, but was correctly identified by 100% of labs performing high resolution typing. All antigens reached consensus by serology and molecular methods.

Consensus Results - July 2011 / Ev02

Cell 503

Locus	Antigen	% Cons	Hi Res	% Cons	Lo Res	% Cons	Serology	% Cons
A	1	100	01:01	100	01	100	1	100
A	2	100	02:01	100	02	100	2	100
B	8	100	08:01	100	08	100	8	100
B	44	100	44:02	100	44	100	44	100
Bw4	P	100	n/a	0	P	100	P	100
Bw6	P	100	n/a	0	P	100	P	100
C	5	100	05:01	100	05	100	5	88
C	7	100	07:01	100	07	100	7	100
DR	4	100	03:01	100	03	100	4	100
DR	17	100	04:01	100	04	100	17(3)	100
DRw	52	100	DRB3=01:01	100	DRB3=P	100	52	100
			DRB4=01:03	100	DRB4=P	100		
			DRB5=NT	100	DRB5=N	100		
DRw	53	100	DRB3=BL	100			53	100
			DRB4=BL	100				
			DRB5=NT	100				
DQ	2	100	02:01	100	02	100	2	100
DQ	7	96	03:01	100	03	100	7	100
#Labs	27		9		26		17	

Comments:

Consensus Results - July 2011 / Ev02

Cell 504

Locus	Antigen	% Cons	Hi Res	% Cons	Lo Res	% Cons	Serology	% Cons
A	11	100	11:01	100	11	100	11	100
A	32	100	32:01	100	32	100	32	100
B	18	100	18:01	100	18	100	18	100
B	51	100	51:07	77	51	100	51	100
Bw4	P	100	n/a	0	P	100	P	100
Bw6	P	100	n/a	0	P	100	P	100
C	7	100	07:04	100	07	96	7	100
C	14	96	14:02	100	14	100	BL	94
DR	12	100	03:01	100	03	96	12	100
DR	17	100	12:02	100	12	100	17(3)	100
DRw	52	100	DRB3=02:02	100	DRB3=P	100	52	100
			DRB4=NT	100	DRB4=N	100		
			DRB5=NT	100	DRB5=N	100		
DRw	BL	81	DRB3=03:01	100			BL	100
			DRB4=NT	100				
			DRB5=NT	100				
DQ	2	100	02:01	100	02	100	2	100
DQ	7	100	03:01	100	03	100	7	100
#Labs	27		9		26		17	

Comments: Unusual allele B*51:07 did not reach consensus (77%) by high resolution. All other results showed excellent concordance with both molecular and cytotoxicity methods.

Consensus Results - July 2011 / Ev02

Cell 505

Locus	Antigen	% Cons	Hi Res	% Cons	Lo Res	% Cons	Serology	% Cons
A	1	100	01:01	100	01	100	1	100
A	26	100	26:01	100	26	100	26	100
B	8	100	51:01	100	08	100	8	100
B	51	100	08:01	100	51	100	51	100
Bw4	P	100	n/a	0	P	100	P	100
Bw6	P	100	n/a	0	P	100	P	100
C	7	100	07:01	100	07	100	7	100
C	14	96	14:02	100	14	100	BL	100
DR	13	100	03:01	100	03	96	13	100
DR	17	100	13:02	100	13	100	17(3)	100
DRw	52	100	DRB3=01:01	100	DRB3=P	100	52	100
			DRB4=NT	100	DRB4=N	100		
			DRB5=NT	100	DRB5=N	100		
DRw	BL	81	DRB3=03:01	100			BL	100
			DRB4=NT	100				
			DRB5=NT	100				
DQ	2	100	02:01	100	02	100	2	100
DQ	6	100	06:04	100	06	100	6(1)	100
#Labs	27		9		26		17	

Comments:

Consensus Results - July 2011 / Ev02

Cell 506

Locus	Antigen	% Cons	Hi Res	% Cons	Lo Res	% Cons	Serology	% Cons
A	1	100	01:01	100	01	100	1	100
A	2	100	02:01	100	02	100	2	100
B	8	100	08:01	100	08	100	8	100
B	BL	89	BL	89	BL	92	BL	100
Bw4	N	100	n/a	0	N	100	N	94
Bw6	P	100	n/a	0	P	100	P	100
C	7	100	07:01	100	07	100	7	100
C	BL	89	BL	89	BL	92	BL	94
DR	17	100	03:01	100	03	100	17(3)	100
DR	BL	89	BL	89	BL	88	BL	100
DRw	52	100	DRB3=01:01	100	DRB3=P	100	52	100
			DRB4=NT	100	DRB4=N	100		
			DRB5=NT	100	DRB5=N	100		
DRw	BL	93	DRB3=BL	100			BL	100
			DRB4=NT	100				
			DRB5=NT	100				
DQ	2	100	02:01	100	02	100	2	100
DQ	BL	89	BL	77	BL	92	BL	100
#Labs	27		9		26		17	

Comments: 100% concordance for both molecular and serological methods.