



Centro de Hemoterapia y
Hemodonación de Castilla y León



SEI
Sociedad Española
de Inmunología



External Quality Assurance Program for diagnostic immunology
laboratories GECLID-SEI 2018

Report HLA: 4 Anti-HLA antibodies (class I and II) detection and specificities - 2018 round r1

HISTOCOMPATIBILITY & IMMUNOGENETICS SUBPROGRAMME (LAB HLA003D)



LABORATORY INFORMATION

Code: HLA003D

Laboratory: SERVICIO DE INMUNOLOGÍA

Center: HOSPITAL REINA SOFÍA DE CÓRDOBA

Address: AVDA. MENÉNDEZ PIDAL, S/N - 14004 -
CÓRDOBA - CÓRDOBA

Contact person: JUAN EDUARDO MOLINA ALCAIDE

Dates: 19/03/2018

Report: 30/08/2018

20.1 Class I and class II antibody detection must be assessed separately

Examples of possible discrepancies:

20.1.1 A participant reports the presence of antibodies where the consensus is negative

20.1.2 A participant fails to report the presence of antibodies where the consensus is positive

21 HLA antibody identification scheme assessment:

21.1 Class I and class II antibody identification must be assessed separately. Examples of possible discrepancies:

21.1.1 A participant reports an antibody specificity corresponding to an HLA antigen expressed by the donor of the serum

21.1.2 A participant reports the presence of an antibody where the consensus is negative

21.1.3 A participant fails to report an antibody defined to be present by consensus

21.2 EPT Providers should distinguish between different methods

21.2.1 Results from CDC and other assays should be assessed separately

21.2.2 Results from single antigen assays may be assessed separately if the number of participants allows

21.2.3 The 75% consensus must be applied to individual HLA antibody specificities

21.2.4 An HLA antibody specificity should be considered negative if it is reported by 5% or less of the participants
Consensus Rules for HLA 4 Scheme

- Positive (P): Specificity reported by more than 75% of the participants.
- Inconclusive (I): Specificity reported by 25% to 75% of the participants
- Unevaluable negative (U): Specificity reported negative by 75% to 95% of the participants. Negative is assigned but it would not be evaluated as far as it doesn't reach consensus
- Negative (U): Specificity reported by less than 5% of the participants

Laboratories not testing or not reporting an specificity are not taken into account for % calculations. Neither are those reporting negative results in detection for a given cell and anti-class I or anti-class II HLA antibodies. Whichever specificity reported either as positive or negative by less than 2 participants would be so named Inconclusive

SAMPLE HLA18-4.01R1

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				P				P		0
SA:anti-class II HLA				P				P		0
SA: HLA-A*01:01				P				P		0
SA: HLA-A*02:01				N				N		0
SA: HLA-A*02:03				N				N		0
SA: HLA-A*02:06				N				N		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				N				N		0
SA: HLA-A*11:02				N				N		0
SA: HLA-A*23:01				P				P		0
SA: HLA-A*24:02				P				P		0
SA: HLA-A*24:03				U				N		0
SA: HLA-A*25:01				N				N		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				N				N		0
SA: HLA-A*68:01				N				N		0
SA: HLA-A*68:02				N				N		0
SA: HLA-A*69:01				N				N		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				P				P		0
SA: HLA-B*07:02				N				N		0
SA: HLA-B*08:01				N				N		0
SA: HLA-B*13:01				N				N		0
SA: HLA-B*13:02				N				N		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				P				P		0
SA: HLA-B*15:13				N				N		0
SA: HLA-B*15:16				N				N		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				N				N		0
SA: HLA-B*27:08				N				N		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				I				P		0
SA: HLA-B*40:02				N				N		0
SA: HLA-B*40:06				N				N		0
SA: HLA-B*41:01				I				P		0
SA: HLA-B*42:01				N				N		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				I				P		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				N				N		0
SA: HLA-B*48:01				N				N		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				I				P		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				N				N		0
SA: HLA-B*55:01				N				N		0
SA: HLA-B*56:01				N				N		0
SA: HLA-B*57:01				N				N		0
SA: HLA-B*57:03				N				N		0
SA: HLA-B*58:01				N				N		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				N				N		0
SA: HLA-B*73:01				N				N		0
SA: HLA-B*78:01				I				N		0
SA: HLA-B*81:01				N				N		0
SA: HLA-B*82:01				N				N		0
SA: HLA-C*01:02				N				N		0
SA: HLA-C*02:02				N				N		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				N				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				N				N		0
SA: HLA-C*14:02				N				N		0
SA: HLA-C*15:02				N				N		0
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				I				N		0
SA: HLA-C*18:02				N				N		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				N				N		0
SA: HLA-DRB1*04:02				N				N		0
SA: HLA-DRB1*04:03				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*04:04				N				N		0
SA: HLA-DRB1*04:05				N				N		0
SA: HLA-DRB1*07:01				N				N		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				N				N		0
SA: HLA-DRB1*09:02				N				N		0
SA: HLA-DRB1*10:01				U				P		0
SA: HLA-DRB1*11:01				N				N		0
SA: HLA-DRB1*11:04				N				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				N				N		0
SA: HLA-DRB1*15:02				N				N		0
SA: HLA-DRB1*15:03				N				N		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				N				N		0
SA: HLA-DRB4*01:03				U				N		0
SA: HLA-DRB5*01:01				N				N		0
SA: HLA-DRB5*02:02				N				N		0
SA: HLA-DQA1*01:01/DQB1*05:01				N				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				I				N		0
SA: HLA-DQA1*02:01/DQB1*03:02				P				N		1
SA: HLA-DQA1*02:01/DQB1*03:03				P				P		0
SA: HLA-DQA1*02:01/DQB1*04:01				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:01				I				N		0
SA: HLA-DQA1*03:01/DQB1*03:02				P				P		0
SA: HLA-DQA1*03:01/DQB1*03:03				P				P		0
SA: HLA-DQA1*03:02/DQB1*03:02				P				P		0
SA: HLA-DQA1*03:02/DQB1*03:03				P				P		0
SA: HLA-DQA1*03:03/DQB1*04:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				P				P		0
SA: HLA-DQA1*05:05/DQB1*03:01				I				P		0
SA: HLA-DQA1*06:01/DQB1*03:01				I				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				U				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*01:01				U				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				U				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQB1*03:03				P				P		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				U				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				N				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				U				N		0
SA: HLA-DPB1*06:01				N				N		0
SA: HLA-DPB1*09:01				N				N		0
SA: HLA-DPB1*10:01				N				N		0
SA: HLA-DPB1*11:01				N				N		0
SA: HLA-DPB1*13:01				N				N		0
SA: HLA-DPB1*14:01				N				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				N				N		0
SA: HLA-DPB1*18:01				N				N		0
SA: HLA-DPB1*19:01				N				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

SAMPLE HLA18-4.02R1

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				P				P		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA:anti-class II HLA				U				N		0
SA: HLA-A*01:01				N				N		0
SA: HLA-A*02:01				P				P		0
SA: HLA-A*02:03				P				P		0
SA: HLA-A*02:06				P				P		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				U				P		0
SA: HLA-A*11:02				I				P		0
SA: HLA-A*23:01				N				N		0
SA: HLA-A*24:02				N				N		0
SA: HLA-A*24:03				U				N		0
SA: HLA-A*25:01				I				P		0
SA: HLA-A*26:01				U				P		0
SA: HLA-A*29:01				U				P		0
SA: HLA-A*29:02				U				P		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				P		1
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				U				P		0
SA: HLA-A*34:02				U				P		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				U				P		0
SA: HLA-A*66:01				U				P		0
SA: HLA-A*66:02				I				P		0
SA: HLA-A*68:01				P				P		0
SA: HLA-A*68:02				P				P		0
SA: HLA-A*69:01				P				P		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				U				N		0
SA: HLA-B*07:02				P				P		0
SA: HLA-B*08:01				P				P		0
SA: HLA-B*13:01				P				P		0
SA: HLA-B*13:02				P				P		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				N				N		0
SA: HLA-B*15:13				N				N		0
SA: HLA-B*15:16				N				N		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				P				P		0
SA: HLA-B*27:08				P				P		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				N				N		0
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				P				P		0
SA: HLA-B*40:02				P				P		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*40:06				P				P		0
SA: HLA-B*41:01				P				P		0
SA: HLA-B*42:01				P				P		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				N				N		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				P				P		0
SA: HLA-B*48:01				P				P		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				N				N		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				I				P		0
SA: HLA-B*55:01				P				P		0
SA: HLA-B*56:01				P				P		0
SA: HLA-B*57:01				I				P		0
SA: HLA-B*57:03				P				P		0
SA: HLA-B*58:01				I				P		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				P				P		0
SA: HLA-B*73:01				I				P		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				P				P		0
SA: HLA-B*82:01				P				P		0
SA: HLA-C*01:02				U				N		0
SA: HLA-C*02:02				U				P		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				N				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				U				N		0
SA: HLA-C*14:02				N				N		0
SA: HLA-C*15:02				N				N		0
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				U				P		0
SA: HLA-C*18:02				U				N		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				N				N		0
SA: HLA-DRB1*04:02				N				N		0
SA: HLA-DRB1*04:03				N				N		0
SA: HLA-DRB1*04:04				N				N		0
SA: HLA-DRB1*04:05				N				N		0
SA: HLA-DRB1*07:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				N				N		0
SA: HLA-DRB1*09:02				N				N		0
SA: HLA-DRB1*10:01				N				N		0
SA: HLA-DRB1*11:01				N				N		0
SA: HLA-DRB1*11:04				N				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				U				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				N				N		0
SA: HLA-DRB1*15:02				N				N		0
SA: HLA-DRB1*15:03				N				N		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				N				N		0
SA: HLA-DRB4*01:03				N				N		0
SA: HLA-DRB5*01:01				N				N		0
SA: HLA-DRB5*02:02				N				N		0
SA: HLA-DQA1*01:01/DQB1*05:01				N				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*02:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*03:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:02				U				N		0
SA: HLA-DQA1*03:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:03/DQB1*04:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				U				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				U				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				U				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*01:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				U				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQA1*01				N				N		0
SA: HLA-DQA1*02				N				N		0
SA: HLA-DQA1*03				N				N		0
SA: HLA-DQA1*04				N				N		0
SA: HLA-DQA1*05				N				N		0
SA: HLA-DQA1*06				N				N		0
SA: HLA-DQB1*02				N				N		0
SA: HLA-DQB1*03				N				N		0
SA: HLA-DQB1*03:01				U				N		0
SA: HLA-DQB1*03:02				N				N		0
SA: HLA-DQB1*03:03				N				N		0
SA: HLA-DQB1*04				N				N		0
SA: HLA-DQB1*05				N				N		0
SA: HLA-DQB1*06				N				N		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				N				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				N				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				N				N		0
SA: HLA-DPB1*06:01				N				N		0
SA: HLA-DPB1*09:01				N				N		0
SA: HLA-DPB1*10:01				N				N		0
SA: HLA-DPB1*11:01				N				N		0
SA: HLA-DPB1*13:01				N				N		0
SA: HLA-DPB1*14:01				N				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				N				N		0
SA: HLA-DPB1*18:01				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPB1*19:01				N				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

SAMPLE HLA18-4.03R1

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				P				P		0
SA:anti-class II HLA				P				P		0
SA: HLA-A*01:01				N				N		0
SA: HLA-A*02:01				N				N		0
SA: HLA-A*02:03				N				N		0
SA: HLA-A*02:06				N				N		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				N				N		0
SA: HLA-A*11:02				N				N		0
SA: HLA-A*23:01				N				N		0
SA: HLA-A*24:02				U				N		0
SA: HLA-A*24:03				U				N		0
SA: HLA-A*25:01				N				N		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				N				N		0
SA: HLA-A*68:01				N				N		0
SA: HLA-A*68:02				N				N		0
SA: HLA-A*69:01				N				N		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				N				N		0
SA: HLA-B*07:02				P				P		0
SA: HLA-B*08:01				I				P		0
SA: HLA-B*13:01				N				N		0
SA: HLA-B*13:02				N				N		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				P		1
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				N				N		0
SA: HLA-B*15:13				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*15:16				I				P		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				P				P		0
SA: HLA-B*27:08				P				P		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				U				N		0
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				P				P		0
SA: HLA-B*40:02				N				N		0
SA: HLA-B*40:06				N				N		0
SA: HLA-B*41:01				N				N		0
SA: HLA-B*42:01				P				P		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				N				N		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				N				N		0
SA: HLA-B*48:01				P				P		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				N				N		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				P				P		0
SA: HLA-B*55:01				P				P		0
SA: HLA-B*56:01				P				P		0
SA: HLA-B*57:01				I				P		0
SA: HLA-B*57:03				P				P		0
SA: HLA-B*58:01				I				P		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				P				P		0
SA: HLA-B*73:01				P				P		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				P				P		0
SA: HLA-B*82:01				P				P		0
SA: HLA-C*01:02				I				P		0
SA: HLA-C*02:02				N				N		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				N				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				N				N		0
SA: HLA-C*14:02				I				N		0
SA: HLA-C*15:02				N				N		0
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				N				N		0
SA: HLA-C*18:02				N				N		0
SA: HLA-DRB1*01:01				P				P		0
SA: HLA-DRB1*01:02				P				P		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				P				P		0
SA: HLA-DRB1*04:02				P				P		0
SA: HLA-DRB1*04:03				P				P		0
SA: HLA-DRB1*04:04				P				P		0
SA: HLA-DRB1*04:05				P				P		0
SA: HLA-DRB1*07:01				N				N		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				N				N		0
SA: HLA-DRB1*09:02				N				N		0
SA: HLA-DRB1*10:01				N				N		0
SA: HLA-DRB1*11:01				N				N		0
SA: HLA-DRB1*11:04				N				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				P				P		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				U				P		0
SA: HLA-DRB1*15:02				U				P		0
SA: HLA-DRB1*15:03				U				P		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				I				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				P				P		0
SA: HLA-DRB4*01:03				P				P		0
SA: HLA-DRB5*01:01				U				N		0
SA: HLA-DRB5*02:02				U				P		0
SA: HLA-DQA1*01:01/DQB1*05:01				N				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*02:01				I				P		0
SA: HLA-DQA1*03:01/DQB1*03:01				I				P		0
SA: HLA-DQA1*03:01/DQB1*03:02				I				P		0
SA: HLA-DQA1*03:01/DQB1*03:03				I				P		0
SA: HLA-DQA1*03:02/DQB1*03:02				U				P		0
SA: HLA-DQA1*03:02/DQB1*03:03				I				P		0
SA: HLA-DQA1*03:03/DQB1*04:01				I				P		0
SA: HLA-DQA1*04:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				U				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				U				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*01:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQA1*03				I				P		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				N				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				U				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				N				N		0
SA: HLA-DPB1*06:01				N				N		0
SA: HLA-DPB1*09:01				N				N		0
SA: HLA-DPB1*10:01				N				N		0
SA: HLA-DPB1*11:01				N				N		0
SA: HLA-DPB1*13:01				N				N		0
SA: HLA-DPB1*14:01				N				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				N				N		0
SA: HLA-DPB1*18:01				N				N		0
SA: HLA-DPB1*19:01				N				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

SAMPLE HLA18-4.04R1

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				I				P		0
SA:anti-class II HLA				P				P		0
SA: HLA-A*01:01				N				N		0
SA: HLA-A*02:01				N				N		0
SA: HLA-A*02:03				N				N		0
SA: HLA-A*02:06				N				N		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				N				N		0
SA: HLA-A*11:02				N				N		0
SA: HLA-A*23:01				U				N		0
SA: HLA-A*24:02				U				N		0
SA: HLA-A*24:03				U				N		0
SA: HLA-A*25:01				N				N		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				N				N		0
SA: HLA-A*68:01				N				N		0
SA: HLA-A*68:02				N				N		0
SA: HLA-A*69:01				N				N		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				N				N		0
SA: HLA-B*07:02				N				N		0
SA: HLA-B*08:01				N				N		0
SA: HLA-B*13:01				N				N		0
SA: HLA-B*13:02				N				N		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				N				N		0
SA: HLA-B*15:13				N				N		0
SA: HLA-B*15:16				N				N		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				N				N		0
SA: HLA-B*27:08				N				N		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				I				P		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				N				N		0
SA: HLA-B*40:02				N				N		0
SA: HLA-B*40:06				N				N		0
SA: HLA-B*41:01				N				N		0
SA: HLA-B*42:01				N				N		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				N				N		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				N				N		0
SA: HLA-B*48:01				U				N		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				N				N		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				N				N		0
SA: HLA-B*55:01				N				N		0
SA: HLA-B*56:01				N				N		0
SA: HLA-B*57:01				N				N		0
SA: HLA-B*57:03				N				N		0
SA: HLA-B*58:01				N				N		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				U				N		0
SA: HLA-B*73:01				N				N		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				N				N		0
SA: HLA-B*82:01				N				N		0
SA: HLA-C*01:02				N				N		0
SA: HLA-C*02:02				N				N		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				N				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				N				N		0
SA: HLA-C*14:02				N				N		0
SA: HLA-C*15:02				N				N		0
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				N				N		0
SA: HLA-C*18:02				N				N		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				P				P		0
SA: HLA-DRB1*04:02				P				P		0
SA: HLA-DRB1*04:03				P				P		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*04:04				P				P		0
SA: HLA-DRB1*04:05				P				P		0
SA: HLA-DRB1*07:01				I				N		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				I				N		0
SA: HLA-DRB1*09:02				I				N		0
SA: HLA-DRB1*10:01				I				P		0
SA: HLA-DRB1*11:01				N				N		0
SA: HLA-DRB1*11:04				N				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				N				N		0
SA: HLA-DRB1*15:02				N				N		0
SA: HLA-DRB1*15:03				N				N		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				P				P		0
SA: HLA-DRB4*01:03				P				P		0
SA: HLA-DRB5*01:01				N				N		0
SA: HLA-DRB5*02:02				N				N		0
SA: HLA-DQA1*01:01/DQB1*05:01				N				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				U				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:01				U				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				U				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*02:01				U				N		0
SA: HLA-DQA1*03:01/DQB1*03:01				U				N		0
SA: HLA-DQA1*03:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:03/DQB1*04:01				I				N		0
SA: HLA-DQA1*04:01/DQB1*02:01				U				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				U				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				U				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*01:01				U				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQA1*01				N				N		0
SA: HLA-DQA1*02				N				N		0
SA: HLA-DQA1*03				U				N		0
SA: HLA-DQA1*04				N				N		0
SA: HLA-DQA1*05				N				N		0
SA: HLA-DQA1*06				N				N		0
SA: HLA-DQB1*02				U				N		0
SA: HLA-DQB1*03				N				N		0
SA: HLA-DQB1*03:01				U				N		0
SA: HLA-DQB1*03:02				N				N		0
SA: HLA-DQB1*03:03				N				N		0
SA: HLA-DQB1*04				N				N		0
SA: HLA-DQB1*05				N				N		0
SA: HLA-DQB1*06				U				N		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				U				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				U				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				U				N		0
SA: HLA-DPB1*06:01				U				N		0
SA: HLA-DPB1*09:01				U				N		0
SA: HLA-DPB1*10:01				U				N		0
SA: HLA-DPB1*11:01				U				N		0
SA: HLA-DPB1*13:01				U				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPB1*14:01				U				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				U				N		0
SA: HLA-DPB1*18:01				N				N		0
SA: HLA-DPB1*19:01				U				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

SAMPLE HLA18-4.05R1

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				P				P		0
SA:anti-class II HLA				P				P		0
SA: HLA-A*01:01				N				N		0
SA: HLA-A*02:01				P				P		0
SA: HLA-A*02:03				P				P		0
SA: HLA-A*02:06				P				P		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				N				N		0
SA: HLA-A*11:02				U				P		0
SA: HLA-A*23:01				P				P		0
SA: HLA-A*24:02				P				P		0
SA: HLA-A*24:03				P				P		0
SA: HLA-A*25:01				P				P		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				U				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				P				P		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				I				P		0
SA: HLA-A*68:01				P				P		0
SA: HLA-A*68:02				P				P		0
SA: HLA-A*69:01				P				P		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				N				N		0
SA: HLA-B*07:02				P				P		0
SA: HLA-B*08:01				N				N		0
SA: HLA-B*13:01				P				P		0
SA: HLA-B*13:02				P				P		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				I				P		0
SA: HLA-B*15:02				I				P		0
SA: HLA-B*15:03				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				I				P		0
SA: HLA-B*15:13				P				P		0
SA: HLA-B*15:16				P				P		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				P				P		0
SA: HLA-B*27:08				P				P		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				I				P		0
SA: HLA-B*38:01				P				P		0
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				P				P		0
SA: HLA-B*40:02				P				P		0
SA: HLA-B*40:06				P				P		0
SA: HLA-B*41:01				I				P		0
SA: HLA-B*42:01				N				N		0
SA: HLA-B*44:02				I				P		0
SA: HLA-B*44:03				P				P		0
SA: HLA-B*45:01				U				P		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				P				P		0
SA: HLA-B*48:01				P				P		0
SA: HLA-B*49:01				P				P		0
SA: HLA-B*50:01				I				P		0
SA: HLA-B*51:01				P				P		0
SA: HLA-B*51:02				P				P		0
SA: HLA-B*52:01				P				P		0
SA: HLA-B*53:01				P				P		0
SA: HLA-B*54:01				N				N		0
SA: HLA-B*55:01				N				N		0
SA: HLA-B*56:01				N				N		0
SA: HLA-B*57:01				P				P		0
SA: HLA-B*57:03				P				P		0
SA: HLA-B*58:01				P				P		0
SA: HLA-B*59:01				P				P		0
SA: HLA-B*67:01				U				P		0
SA: HLA-B*73:01				P				P		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				P				P		0
SA: HLA-B*82:01				U				N		0
SA: HLA-C*01:02				N				N		0
SA: HLA-C*02:02				P				P		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				P				P		0
SA: HLA-C*05:01				P				P		0
SA: HLA-C*06:02				P				P		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				N				N		0
SA: HLA-C*14:02				N				N		0
SA: HLA-C*15:02				P				P		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				P				P		0
SA: HLA-C*18:02				P				P		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				N				N		0
SA: HLA-DRB1*04:02				N				N		0
SA: HLA-DRB1*04:03				N				N		0
SA: HLA-DRB1*04:04				N				N		0
SA: HLA-DRB1*04:05				N				N		0
SA: HLA-DRB1*07:01				P				P		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				P				P		0
SA: HLA-DRB1*09:02				P				P		0
SA: HLA-DRB1*10:01				N				N		0
SA: HLA-DRB1*11:01				P				P		0
SA: HLA-DRB1*11:04				P				P		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				N				N		0
SA: HLA-DRB1*15:02				N				N		0
SA: HLA-DRB1*15:03				N				N		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				P				P		0
SA: HLA-DRB4*01:03				P				P		0
SA: HLA-DRB5*01:01				N				N		0
SA: HLA-DRB5*02:02				N				N		0
SA: HLA-DQA1*01:01/DQB1*05:01				U				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				I				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				U				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				I				P		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*02:01				P				P		0
SA: HLA-DQA1*02:01/DQB1*02:02				P				P		0
SA: HLA-DQA1*02:01/DQB1*03:01				P				P		0
SA: HLA-DQA1*02:01/DQB1*03:02				P				P		0
SA: HLA-DQA1*02:01/DQB1*03:03				P				P		0
SA: HLA-DQA1*02:01/DQB1*04:01				P				P		0
SA: HLA-DQA1*02:01/DQB1*04:02				P				P		0
SA: HLA-DQA1*03:01/DQB1*02:01				P				P		0
SA: HLA-DQA1*03:01/DQB1*03:01				P				P		0
SA: HLA-DQA1*03:01/DQB1*03:02				P				P		0
SA: HLA-DQA1*03:01/DQB1*03:03				P				P		0
SA: HLA-DQA1*03:02/DQB1*03:02				P				P		0
SA: HLA-DQA1*03:02/DQB1*03:03				P				P		0
SA: HLA-DQA1*03:03/DQB1*04:01				P				P		0
SA: HLA-DQA1*04:01/DQB1*02:01				P				P		0
SA: HLA-DQA1*04:01/DQB1*04:02				P				P		0
SA: HLA-DQA1*05:01/DQB1*02:01				U				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				U				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				U				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				I				P		0
SA: HLA-DPA1*01:03/DPB1*01:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*02:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*03:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				P				P		0
SA: HLA-DPA1*01:03/DPB1*06:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*11:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*19:01				P				P		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				P				P		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*01:04/DPB1*18:01				P				P		0
SA: HLA-DPA1*01:05/DPB1*03:01				P				P		0
SA: HLA-DPA1*01:05/DPB1*18:01				P				P		0
SA: HLA-DPA1*01:05/DPB1*28:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*01:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*03:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*05:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*06:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*09:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*13:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*14:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				P				P		0
SA: HLA-DPA1*02:01/DPB1*18:01				P				P		0
SA: HLA-DPA1*02:02/DPB1*05:01				P				P		0
SA: HLA-DPA1*02:02/DPB1*10:01				P				P		0
SA: HLA-DPA1*02:02/DPB1*11:01				P				P		0
SA: HLA-DPA1*02:02/DPB1*13:01				P				P		0
SA: HLA-DPA1*03:01/DPB1*20:01				P				P		0
SA: HLA-DPA1*04:01/DPB1*28:01				P				P		0
SA: HLA-DQA1*02				P				P		0
SA: HLA-DQA1*03				P				P		0
SA: HLA-DQA1*04				P				P		0
SA: HLA-DQB1*03:02				P				P		0
SA: HLA-DQB1*03:03				P				P		0
SA: HLA-DQB1*04				P				P		0
SA: HLA-DPB1*01:01				P				P		0
SA: HLA-DPB1*02:01				P				P		0
SA: HLA-DPB1*03:01				P				P		0
SA: HLA-DPB1*04:02				P				P		0
SA: HLA-DPB1*05:01				P				P		0
SA: HLA-DPB1*06:01				P				P		0
SA: HLA-DPB1*09:01				P				P		0
SA: HLA-DPB1*10:01				P				P		0
SA: HLA-DPB1*11:01				P				P		0
SA: HLA-DPB1*13:01				P				P		0
SA: HLA-DPB1*14:01				P				P		0
SA: HLA-DPB1*17:01				P				P		0
SA: HLA-DPB1*18:01				P				P		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPB1*19:01				P				P		0
SA: HLA-DPB1*28:01				P				P		0

SAMPLE HLA18-4.06R1

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				P				P		0
SA:anti-class II HLA				P				P		0
SA: HLA-A*01:01				P				P		0
SA: HLA-A*02:01				U				P		0
SA: HLA-A*02:03				U				P		0
SA: HLA-A*02:06				U				P		0
SA: HLA-A*03:01				P				P		0
SA: HLA-A*11:01				U				P		0
SA: HLA-A*11:02				U				P		0
SA: HLA-A*23:01				N				N		0
SA: HLA-A*24:02				P				P		0
SA: HLA-A*24:03				P				P		0
SA: HLA-A*25:01				N				N		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				I				P		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				I				N		0
SA: HLA-A*68:01				N				N		0
SA: HLA-A*68:02				N				N		0
SA: HLA-A*69:01				N				N		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				U				P		0
SA: HLA-B*07:02				N				N		0
SA: HLA-B*08:01				N				N		0
SA: HLA-B*13:01				N				N		0
SA: HLA-B*13:02				N				N		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				N				N		0
SA: HLA-B*15:13				N				N		0
SA: HLA-B*15:16				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				N				N		0
SA: HLA-B*27:08				N				N		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				N				N		0
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				N				N		0
SA: HLA-B*40:02				N				N		0
SA: HLA-B*40:06				N				N		0
SA: HLA-B*41:01				N				N		0
SA: HLA-B*42:01				N				N		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				N				N		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				N				N		0
SA: HLA-B*48:01				N				N		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				N				N		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				N				N		0
SA: HLA-B*55:01				N				N		0
SA: HLA-B*56:01				N				N		0
SA: HLA-B*57:01				U				P		0
SA: HLA-B*57:03				I				P		0
SA: HLA-B*58:01				U				P		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				N				N		0
SA: HLA-B*73:01				N				N		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				N				N		0
SA: HLA-B*82:01				N				N		0
SA: HLA-C*01:02				U				N		0
SA: HLA-C*02:02				N				N		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				N				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				U				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				U				N		0
SA: HLA-C*14:02				U				N		0
SA: HLA-C*15:02				U				N		0
SA: HLA-C*16:01				U				N		0
SA: HLA-C*17:01				N				N		0
SA: HLA-C*18:02				N				N		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				U				N		0
SA: HLA-DRB1*04:02				U				N		0
SA: HLA-DRB1*04:03				N				N		0
SA: HLA-DRB1*04:04				U				N		0
SA: HLA-DRB1*04:05				U				N		0
SA: HLA-DRB1*07:01				N				N		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				N				N		0
SA: HLA-DRB1*09:02				N				N		0
SA: HLA-DRB1*10:01				N				N		0
SA: HLA-DRB1*11:01				U				N		0
SA: HLA-DRB1*11:04				U				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				U				N		0
SA: HLA-DRB1*13:03				U				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				I				P		0
SA: HLA-DRB1*15:02				I				P		0
SA: HLA-DRB1*15:03				I				P		0
SA: HLA-DRB1*16:01				I				P		0
SA: HLA-DRB1*16:02				I				P		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				U				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				P				P		0
SA: HLA-DRB4*01:03				P				P		0
SA: HLA-DRB5*01:01				I				P		0
SA: HLA-DRB5*02:02				I				P		0
SA: HLA-DQA1*01:01/DQB1*05:01				I				P		0
SA: HLA-DQA1*01:01/DQB1*06:02				U				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				U				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				U				P		0
SA: HLA-DQA1*01:02/DQB1*06:04				I				P		0
SA: HLA-DQA1*01:02/DQB1*06:09				U				P		0
SA: HLA-DQA1*01:03/DQB1*06:01				U				P		0
SA: HLA-DQA1*01:03/DQB1*06:03				U				P		0
SA: HLA-DQA1*02:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:02				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:01				U				N		0
SA: HLA-DQA1*02:01/DQB1*04:02				U				P		0
SA: HLA-DQA1*03:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:03/DQB1*04:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				U				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				N				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				N				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*02:01/DPB1*01:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQA1*01				U				P		0
SA: HLA-DQB1*05				I				P		0
SA: HLA-DQB1*06				I				P		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				N				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				N				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				N				N		0
SA: HLA-DPB1*06:01				N				N		0
SA: HLA-DPB1*09:01				N				N		0
SA: HLA-DPB1*10:01				N				N		0
SA: HLA-DPB1*11:01				N				N		0
SA: HLA-DPB1*13:01				N				N		0
SA: HLA-DPB1*14:01				N				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				N				N		0
SA: HLA-DPB1*18:01				N				N		0
SA: HLA-DPB1*19:01				N				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

SAMPLE HLA18-4.07R1

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: anti-class I HLA				I				P		0
SA:anti-class II HLA				U				N		0
SA: HLA-A*01:01				N				N		0
SA: HLA-A*02:01				N				N		0
SA: HLA-A*02:03				N				N		0
SA: HLA-A*02:06				N				N		0
SA: HLA-A*03:01				N				N		0
SA: HLA-A*11:01				N				N		0
SA: HLA-A*11:02				N				N		0
SA: HLA-A*23:01				N				N		0
SA: HLA-A*24:02				N				N		0
SA: HLA-A*24:03				N				N		0
SA: HLA-A*25:01				N				N		0
SA: HLA-A*26:01				N				N		0
SA: HLA-A*29:01				N				N		0
SA: HLA-A*29:02				N				N		0
SA: HLA-A*30:01				N				N		0
SA: HLA-A*30:02				N				N		0
SA: HLA-A*31:01				N				N		0
SA: HLA-A*32:01				N				N		0
SA: HLA-A*33:01				N				N		0
SA: HLA-A*33:03				N				N		0
SA: HLA-A*34:01				N				N		0
SA: HLA-A*34:02				N				N		0
SA: HLA-A*36:01				N				N		0
SA: HLA-A*43:01				N				N		0
SA: HLA-A*66:01				N				N		0
SA: HLA-A*66:02				N				N		0
SA: HLA-A*68:01				N				N		0
SA: HLA-A*68:02				N				N		0
SA: HLA-A*69:01				N				N		0
SA: HLA-A*74:01				N				N		0
SA: HLA-A*80:01				N				N		0
SA: HLA-B*07:02				N				N		0
SA: HLA-B*08:01				N				N		0
SA: HLA-B*13:01				N				N		0
SA: HLA-B*13:02				N				N		0
SA: HLA-B*14:01				N				N		0
SA: HLA-B*14:02				N				N		0
SA: HLA-B*15:01				N				N		0
SA: HLA-B*15:02				N				N		0
SA: HLA-B*15:03				N				N		0
SA: HLA-B*15:10				N				N		0
SA: HLA-B*15:11				N				N		0
SA: HLA-B*15:12				I				P		0
SA: HLA-B*15:13				N				N		0
SA: HLA-B*15:16				N				N		0
SA: HLA-B*18:01				N				N		0
SA: HLA-B*27:05				N				N		0
SA: HLA-B*27:08				N				N		0
SA: HLA-B*35:01				N				N		0
SA: HLA-B*37:01				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-B*39:01				N				N		0
SA: HLA-B*40:01				N				N		0
SA: HLA-B*40:02				N				N		0
SA: HLA-B*40:06				N				N		0
SA: HLA-B*41:01				N				N		0
SA: HLA-B*42:01				N				N		0
SA: HLA-B*44:02				N				N		0
SA: HLA-B*44:03				N				N		0
SA: HLA-B*45:01				N				N		0
SA: HLA-B*46:01				N				N		0
SA: HLA-B*47:01				N				N		0
SA: HLA-B*48:01				N				N		0
SA: HLA-B*49:01				N				N		0
SA: HLA-B*50:01				N				N		0
SA: HLA-B*51:01				N				N		0
SA: HLA-B*51:02				N				N		0
SA: HLA-B*52:01				N				N		0
SA: HLA-B*53:01				N				N		0
SA: HLA-B*54:01				N				N		0
SA: HLA-B*55:01				N				N		0
SA: HLA-B*56:01				N				N		0
SA: HLA-B*57:01				N				N		0
SA: HLA-B*57:03				N				N		0
SA: HLA-B*58:01				N				N		0
SA: HLA-B*59:01				N				N		0
SA: HLA-B*67:01				N				N		0
SA: HLA-B*73:01				N				N		0
SA: HLA-B*78:01				N				N		0
SA: HLA-B*81:01				N				N		0
SA: HLA-B*82:01				N				N		0
SA: HLA-C*01:02				N				N		0
SA: HLA-C*02:02				N				N		0
SA: HLA-C*03:02				N				N		0
SA: HLA-C*03:03				N				N		0
SA: HLA-C*03:04				N				N		0
SA: HLA-C*04:01				U				N		0
SA: HLA-C*05:01				N				N		0
SA: HLA-C*06:02				N				N		0
SA: HLA-C*07:02				N				N		0
SA: HLA-C*08:01				N				N		0
SA: HLA-C*12:03				N				N		0
SA: HLA-C*14:02				N				N		0
SA: HLA-C*15:02				N				N		0
SA: HLA-C*16:01				N				N		0
SA: HLA-C*17:01				N				N		0
SA: HLA-C*18:02				U				N		0
SA: HLA-DRB1*01:01				N				N		0
SA: HLA-DRB1*01:02				N				N		0
SA: HLA-DRB1*01:03				N				N		0
SA: HLA-DRB1*03:01				N				N		0
SA: HLA-DRB1*03:02				N				N		0
SA: HLA-DRB1*04:01				N				N		0
SA: HLA-DRB1*04:02				N				N		0
SA: HLA-DRB1*04:03				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DRB1*04:04				N				N		0
SA: HLA-DRB1*04:05				N				N		0
SA: HLA-DRB1*07:01				N				N		0
SA: HLA-DRB1*08:01				N				N		0
SA: HLA-DRB1*09:01				N				N		0
SA: HLA-DRB1*09:02				N				N		0
SA: HLA-DRB1*10:01				N				N		0
SA: HLA-DRB1*11:01				N				N		0
SA: HLA-DRB1*11:04				N				N		0
SA: HLA-DRB1*12:01				N				N		0
SA: HLA-DRB1*12:02				N				N		0
SA: HLA-DRB1*13:01				N				N		0
SA: HLA-DRB1*13:03				N				N		0
SA: HLA-DRB1*14:01				N				N		0
SA: HLA-DRB1*14:02				N				N		0
SA: HLA-DRB1*14:54				N				N		0
SA: HLA-DRB1*15:01				N				N		0
SA: HLA-DRB1*15:02				N				N		0
SA: HLA-DRB1*15:03				N				N		0
SA: HLA-DRB1*16:01				N				N		0
SA: HLA-DRB1*16:02				N				N		0
SA: HLA-DRB3*01:01				N				N		0
SA: HLA-DRB3*02:02				N				N		0
SA: HLA-DRB3*03:01				N				N		0
SA: HLA-DRB4*01:01				N				N		0
SA: HLA-DRB4*01:03				N				N		0
SA: HLA-DRB5*01:01				N				N		0
SA: HLA-DRB5*02:02				N				N		0
SA: HLA-DQA1*01:01/DQB1*05:01				N				N		0
SA: HLA-DQA1*01:01/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*05:02				U				N		0
SA: HLA-DQA1*01:02/DQB1*06:02				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:04				N				N		0
SA: HLA-DQA1*01:02/DQB1*06:09				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:01				N				N		0
SA: HLA-DQA1*01:03/DQB1*06:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*02:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*02:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*02:01/DQB1*04:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DQA1*02:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:01				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:01/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:02				N				N		0
SA: HLA-DQA1*03:02/DQB1*03:03				N				N		0
SA: HLA-DQA1*03:03/DQB1*04:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*04:01/DQB1*04:02				N				N		0
SA: HLA-DQA1*05:01/DQB1*02:01				N				N		0
SA: HLA-DQA1*05:03/DQB1*03:01				N				N		0
SA: HLA-DQA1*05:05/DQB1*03:01				N				N		0
SA: HLA-DQA1*06:01/DQB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*01:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*02:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*04:02				N				N		0
SA: HLA-DPA1*01:03/DPB1*06:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*11:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*19:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*23:01				N				N		0
SA: HLA-DPA1*01:03/DPB1*28:01				N				N		0
SA: HLA-DPA1*01:04/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*03:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*18:01				N				N		0
SA: HLA-DPA1*01:05/DPB1*28:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*01:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*03:01				N				N		0

Parameters	n	Min.	Máx.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPA1*02:01/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*06:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*09:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*13:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*14:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*15:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*17:01				N				N		0
SA: HLA-DPA1*02:01/DPB1*18:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*05:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*10:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*11:01				N				N		0
SA: HLA-DPA1*02:02/DPB1*13:01				N				N		0
SA: HLA-DPA1*03:01/DPB1*20:01				N				N		0
SA: HLA-DPA1*04:01/DPB1*28:01				N				N		0
SA: HLA-DQA1*01				N				N		0
SA: HLA-DQA1*02				N				N		0
SA: HLA-DQA1*03				N				N		0
SA: HLA-DQA1*04				N				N		0
SA: HLA-DQA1*05				N				N		0
SA: HLA-DQA1*06				N				N		0
SA: HLA-DQB1*02				N				N		0
SA: HLA-DQB1*03				N				N		0
SA: HLA-DQB1*03:01				N				N		0
SA: HLA-DQB1*03:02				N				N		0
SA: HLA-DQB1*03:03				N				N		0
SA: HLA-DQB1*04				N				N		0
SA: HLA-DQB1*05				N				N		0
SA: HLA-DQB1*06				N				N		0
SA: HLA-DPA1*01				N				N		0
SA: HLA-DPA1*02				N				N		0
SA: HLA-DPA1*03				N				N		0
SA: HLA-DPA1*04				N				N		0
SA: HLA-DPB1*01:01				N				N		0
SA: HLA-DPB1*02:01				N				N		0
SA: HLA-DPB1*03:01				N				N		0
SA: HLA-DPB1*04:01				N				N		0
SA: HLA-DPB1*04:02				N				N		0
SA: HLA-DPB1*05:01				N				N		0
SA: HLA-DPB1*06:01				N				N		0
SA: HLA-DPB1*09:01				N				N		0
SA: HLA-DPB1*10:01				N				N		0
SA: HLA-DPB1*11:01				N				N		0
SA: HLA-DPB1*13:01				N				N		0

Parameters	n	Min.	Máy.	Assigned value	Stand. Dev.	Uncertainty	Iterations	Your value	z-score	Eval.
SA: HLA-DPB1*14:01				N				N		0
SA: HLA-DPB1*15:01				N				N		0
SA: HLA-DPB1*17:01				N				N		0
SA: HLA-DPB1*18:01				N				N		0
SA: HLA-DPB1*19:01				N				N		0
SA: HLA-DPB1*23:01				N				N		0
SA: HLA-DPB1*28:01				N				N		0

LAB PERFORMANCE

Summary	Score	Nb. reported samples	Nb. Labs reporting parameter	Valid Consensus	Your reported (Valid)
SA: anti-class I HLA (detection)	0	7	27	5 5	100 %
SA:anti-class II HLA (detection)	0	7	25	5 5	100 %
SA:anti class I HLA (Specificities)	2	7	30	594 596	99.66 %
SA:anti class II HLA (Specificities)	1	7	28	577 578	99.83 %
SA:anti class II HLA (Interpretation)	0	7	25	177 177	100 %

Successful performance in HLA antibody detection and/or identification EPT:

- Successful performance applies to the annual EPT performance of the laboratory

- The maximum number of discrepancies allowed is used to determine the acceptable laboratory performance levels:

- HLA antibody detection: 8 correct (valid) results per 10 samples tested or 80% of the total number tested

- HLA antibody identification: 7 correct (valid) results per 10 samples tested or 70% of the total number tested, or 75% of the total number of specificities reaching consensus



Dra. Carmen Martín
Programme Manager