

Dr. Jane Doe
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Patient	Roe, Richard (*01.01.1960)
Sex	Female
Patient-ID	96794
Sample receipt	18.01.2022
Material	EDTA blood 191791
Report date	02.02.2022

HLA-typing report – Roe, Richard (*01.01.1960)

Order HLA class I and II

Dear Dr. Doe,

Thank you for your request for HLA typing.

RESULTS

HLA-Locus	Allele 1	Allele 2
A	A*02:06	A*24:02
B	B*18:01	B*54:01
C	C*01:02	C*07:01
DPA1	DPA1*01:03	DPA1*02:02
DPB1	DPB1*04:01	DPB1*05:01
DQA1	DQA1*03:03	DQA1*05:05
DQB1	DQB1*03:01	DQB1*04:01
DRB1	DRB1*04:05	DRB1*11:01
DRB345	DRB3*02:02	DRB4*01:03

Zygosity: The same allele for a given locus indicates homozygosity while different alleles indicate heterozygosity for a given HLA locus.

This report was issued electronically and is therefore valid without signature.

ADDITIONAL

Methods **DNA isolation:** The isolation of DNA was performed at CeGaT using standard protocols.

Sequencing: The coding and flanking intronic regions were enriched using in solution hybridization technology and were sequenced using the Illumina NovaSeq6000 system.

Computational Analysis: Illumina bcl2fastq2 was used to demultiplex sequencing reads. Adapter removal was performed with Skewer. HLA typing was performed with an extension of OptiType (Szolek et al. 2014) for HLA class I (Gene A, B, C) and HLA class II (Gene DPA1, DPB1, DQA1, DQB1, DRB1, DRB3, DRB4, DRB5).

The procedure described above was developed and validated in-house (Laboratory developed test; LDT).

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