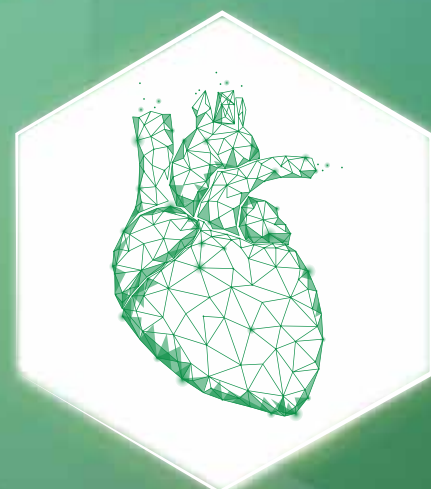
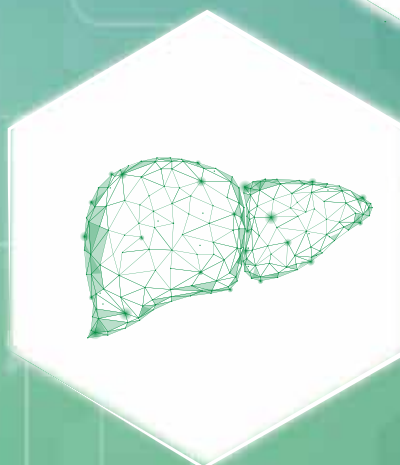
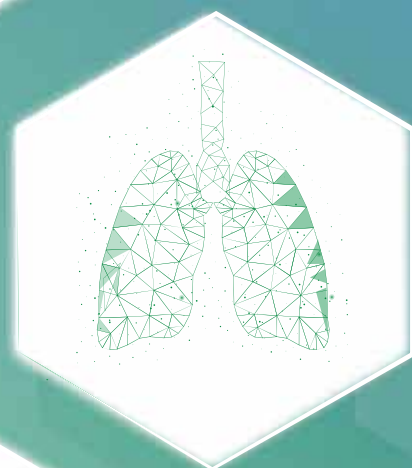
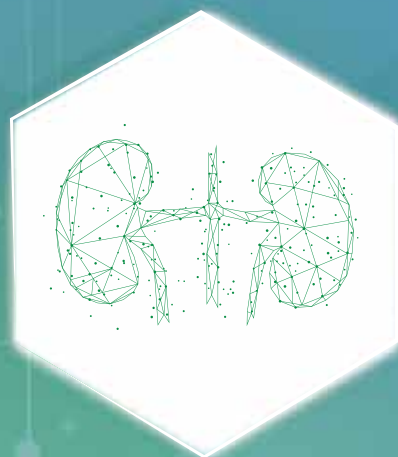


Metropolis launches High Resolution HLA typing by NGS

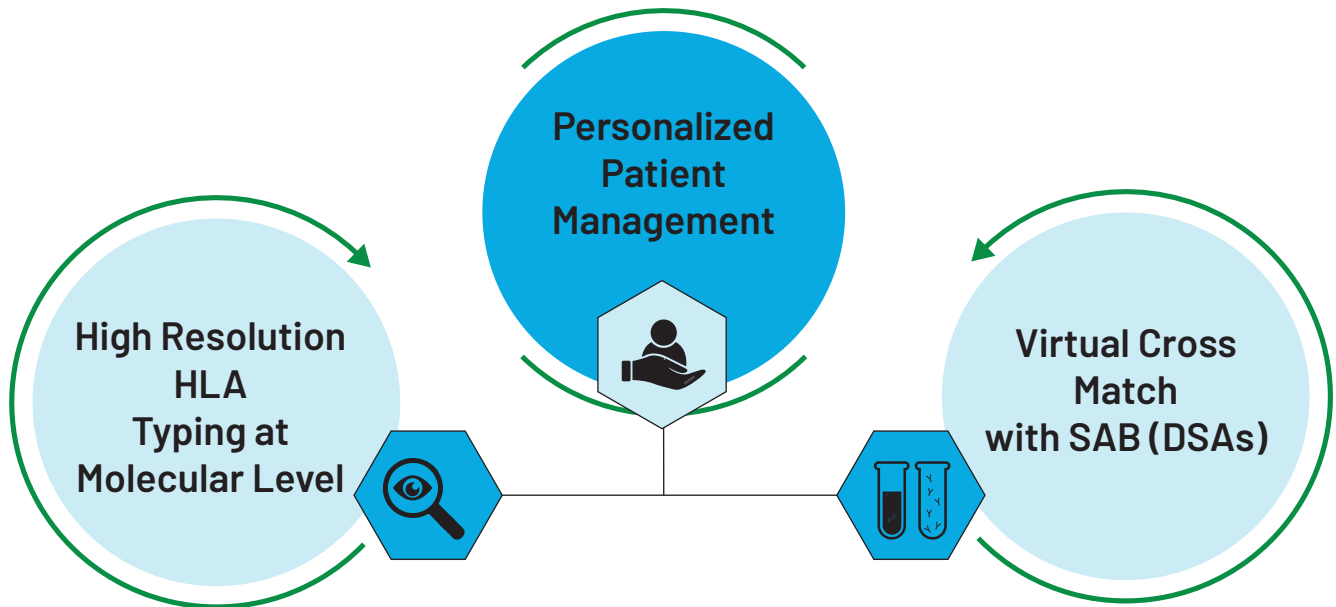
In Solid Organ Transplant



NextGen HLA

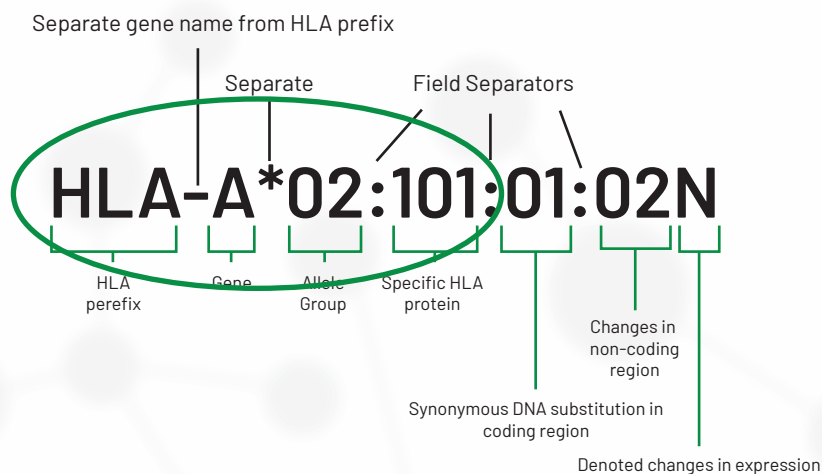
Matching by High Resolution HLA typing





Accurate 2 field high resolution HLA typing is important to determine DSAs

2 field high resolution (2F HR) HLA types that correspond to a single protein sequence are necessary to define HLA mismatches at the level of amino acids



Field 1:

Allele group/antigen (serology)

Field 2:

Mismatch at amino acid level

Field 3:

Mismatch at Nucleotide level

Field 4:

Changes in non coding region

NextGen HLA

offers next generation solution...



NGS Based High Resolution Typing



Reporting 6 Loci:

Class I :- HLA-A, HLA-B, HLA-C

Class II :- HLA-DRB1, HLA-DQB1, HLA-DPB1



Unambiguous and phase-resolved results



Helps in finding suitable donor



Reduce risk of transplant rejection and developing Graft-versus- host-disease (GvHD)

Test Code	Profile	Test Parameters	Sample	Method	Schedule	TAT
H0849	High Resolution HLA Typing (A, B, C, DR, DQ, DP) - Solid Organ Transplant	High Resolution HLA Typing (A, B, C, DRB1, DQB1, DPB1)	3-5ml EDTA whole blood	NGS	Mon & Thur 9:00 am	7 days

Notes: Dully filled MHL HLA Typing TRF, Attested coloured photographs of Recipient & Donor by referring Clinician, Consent & Clinician contact number is mandatory

We offer one stop solution in solid organ transplant

HLA Typing by NGS & PCR-SSOP (Luminex)

Test Code	Test Name	Test Schedule	Reported	Sample Guideline
H0216	HLA typing A,B,C,DR,DQ loci (Class I & Class II) – PCR – SSOP (Luminex)	Daily 9:00am	Same day 6:00pm	6 ml EDTA/ACD Blood
H0813	HLA typing A,B (Class I) and DR loci (Class II) – PCR – SSOP (Luminex)	Daily 9:00am	Same day 6:00pm	6 ml EDTA/ACD Blood

Transplant Immunology

Test Code	Test Name	Test Schedule	Reported	Sample Guideline
H0235	CDC Cross Match / Lymphocyte Cross Match Total (T+B) cells	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum + 6 ml Heparin/ACD/EDTA Blood, Donor: Serum + 6 ml Heparin/ACD/EDTA Blood
H0862	HLA cross match by Flow cytometry	Daily 11:30am	3rd day 6:00pm	Recipient: 5 ml serum, Donor: 15 ml Heparin
H0214	Donor Specific Antibody (DSA) – Donor Lysate Cross Match – Luminex	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum Donor: 20 ml Heparin/ACD/EDTA Blood
H0801	Panel Reactive Antibody (PRA) Screening by Luminex (Class I & Class II)(Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0799	Panel Reactive Antibody (PRA) Identification by Luminex (Class I) (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0800	Panel Reactive Antibody (PRA) Identification by Luminex (Class II) (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0867	PRA Identification Class I and Class II – (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0308	Single Antigen Bead (SAB) Assay (Class I) – (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0309	Single Antigen Bead (SAB) Assay (Class II) – (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum
H0233	Single Antigen Bead (SAB) Assay (Class I & Class II) – (Luminex)	Daily 9:00am	Same day 6:00pm	Recipient: 5 ml serum