Histoimmunogenetic typing

Entity: Cluster

Concept description:	**Identification:**
unknown	*Id*: openEHR-EHR-CLUSTER.histoimmunogenetic_typing.v0 *Reference model*: openEHR_EHR

Purpose	**Use**	**Misuse**	**Copyright**	**References**	**Contact**
For registering an HLA (Human Leukocyte Antigens) based on the Histoimmunogetic typing Markup Language (HML)	Should be used with the Lab result observation archetype to register the specific sample and date/time collection of that sample.	Should not be used for Antibody screening purposes.		https://bioinformatics.bethematchclinical.org/hla-resources/hml/ https://schemas.nmdp.org/ https://www.ncbi.nlm.nih.gov/pubmed/23849068	

Concept	**Description**	**Constraints**	**Values**
Typing	*	***Cluster*** 0..1	
Gene familiy	Represents the gene evaluated in this typing report, e.g. "HLA" or "KIR"	***Text*** 1..1	Internal;
Typing date	Typing/testing date for this sample	***DateTime*** 1..1	Allow all
	Slot Typing method [Cluster]	Include : Cluster	Exclude : Cluster
Allel-Assignment	Specifies the genotyping call at the most specific level possible. This call can be represented within	***Cluster*** 1..*	

	haploid elements or using gl-resources. When reporting data using haploid, typical use is one or two haploid elements for a particular locus, but possibly more if multiple loci are covered (ex: two DRB1 haploids + one DRB3 haploid).		
Haploid	Specifies one-half of a full typing at a particular locus. Must conform to the database specified in allele-assignment/interpretation.	***Cluster*** 1..*	
Locus	Locus (ex: "HLA-A", "HLA-DRB1")	***Text*** 1..1	Internal; 'HLA-A', 'HLA-B', 'HLA-C', 'HLA-DR', 'HLA-DQA', 'HLA-DQB', 'HLA-DPA', 'HLA-DPB'
Method	Typing method used e.g. DNA or Serology	***Text*** 1..1	Internal; 'DNA', 'Serology'
Type	Allele/code level type (ex: "01:01", "01:AB")	***Text*** 1..1	Text;
glstring	Genotype List String (GL String) format for the interpretation of a typing result, or a URI identifying a resource in GL String format.	***URI*** --- ***Text*** 0..1	 --- Text;
Allele DB	Database or other source for nomenclature used in the interpretation. (ex: "IMGT-HLADB")	***Text*** 0..1	Text;
Allele Version	A specific version of the allele-db (ex: "3.18.0")	***Text*** 0..1	Text;
Date	*	***DateTime*** 0..1	Allow all
	Slot Consensus sequence [Cluster]	Include : Cluster	Exclude : Cluster
Property	*	***Text*** 0..1	Text;