

HEMOTYPER

Blood group typing from sequence

Determine 36+ blood-group systems directly from next-generation sequencing data, with transparent, reviewable allele evidence.

WHAT IT IS

Hemotyper resolves blood-group genotypes and predicted phenotypes from WGS or targeted data, mapping variants onto curated ISBT allele tables.

WHY IT MATTERS

Sequence-based typing extends far beyond serology, resolving rare and null alleles that conventional reagents miss — critical for chronically transfused and alloimmunised patients.

KEY CAPABILITIES

- 36+ ISBT blood-group systems
- Genotype → predicted phenotype
- Detection of null & rare alleles
- Curated, versioned ISBT allele tables
- Per-call evidence for review
- Integrates with the MPEG-G stack

Systems	36+ ISBT
Inputs	FASTQ · BAM · CRAM
Reference	ISBT allele tables
Output	Genotype & phenotype report