

Precision HLA Typing with GTnRICH Long-Read Sequencing

Genotypic Technology, India's pioneering genomics company with 20+ years of expertise, brings you GTnRICH HLA Typing for accurate, high-resolution analysis of one of the most complex regions in the human genome. Traditional short-read methods often struggle with the extreme polymorphism of the HLA region, leading to incomplete results. Leveraging Oxford Nanopore long-read sequencing, GTnRICH delivers comprehensive coverage, precise haplotype phasing, and rapid turnaround - empowering transplantation matching, immunogenetics research, and clinical insights with unmatched clarity.

► HLA testing is essential for:

Organ transplantation | Immune function assessment | Drug metabolism studies
Population genetics | Autoimmune disease research

Why GTnRICH HLA Typing?



Ideal For:



Comprehensive Coverage

Captures 6 HLA loci using Nanopore long-read sequencing:

- Class I: HLA-A, HLA-B, HLA-C
- Class II: HLA-DPB1, HLA-DQB1, HLA-DRB1

Overcomes challenges of short-read technologies by delivering full gene coverage.

Accurate Phasing

Precise haplotype phasing of SNVs, enabling allele-specific expression insights.

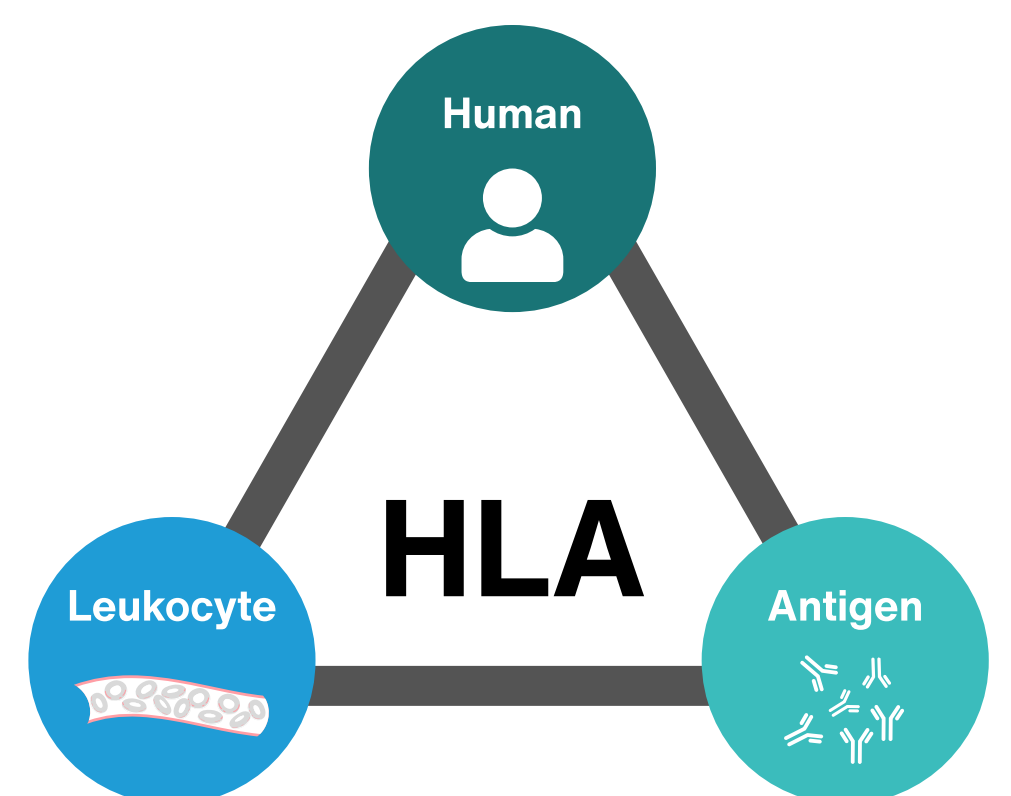
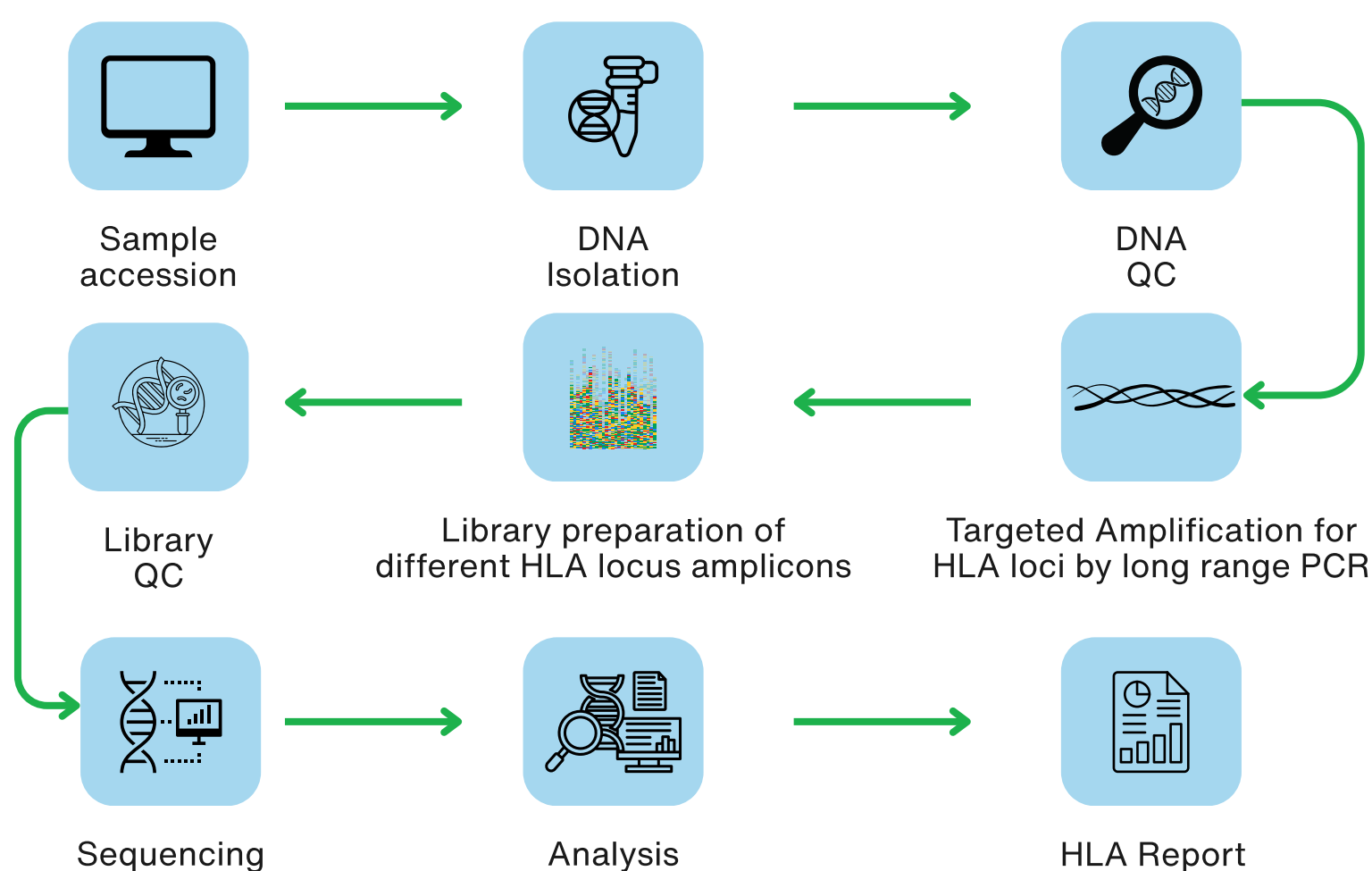
Rapid & Simplified Workflow

- 1-day workflow
- No fragmentation or clonal amplification
- Reduced prep complexity and bias

Cost-Effective

High-quality results without high costs.

Comprehensive Workflow



Contact Us: Request a quote for your specific research needs
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