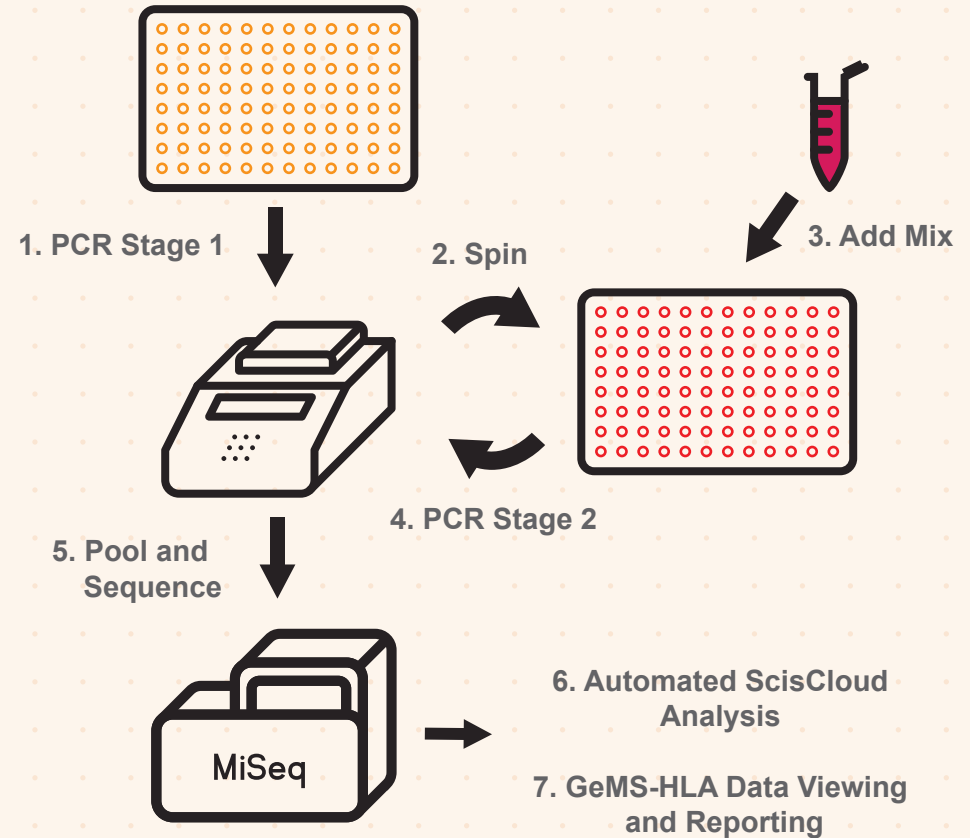


SCISCO GENETICS

Genetics + Immunity » Precision Medicine

The Integrated Genotyping System

The integrated Genotyping System (IGS) provides a complete NGS package, from laboratory assays to cloud-based data analysis and reporting software. Applicable to both clinical and research testing, the IGS enables immunogenetics laboratories to streamline operations by utilizing an all-in-one approach to sequencing and to scale throughput to suit laboratories of any size. Currently, available IGS-HLA and IGS-KIR kits follow the same workflow and can be sequenced on a single MiSeq run.



Version 5 Kit	Loci	Exons	Reactions
HLA Class I	A, B, C	1-7	4
HLA Class II	DRB1345, DQB1, DQA1, DPB1, DPA1	1-4	2
KIR	All Genes	1, 3-5, 7, 9	1

24 samples in 30 hours

A protocol consisting of 2-stage PCR and minimal hands-on time enable fast turnaround.

No size selection

Libraries are generated and loaded onto the MiSeq with no size selection steps.

Phasing

Targeted amplicons overlap to enable phasing across exons to eliminate type ambiguities.

All ASHI nulls

Libraries cover all intron regions necessary to distinguish all nulls required for clinical typing.

Single plate prep

A novel 2-stage PCR assay enables complete library generation in a single plate.

Down to 50 ng

All kits require no more than 50 ng template DNA to yield complete typing results.