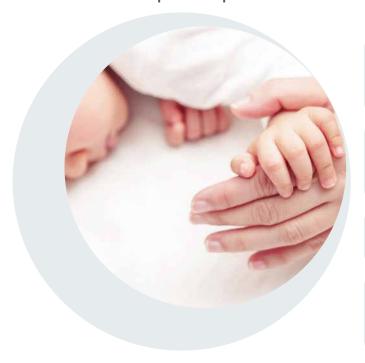


Genie-A Solution

To detect CNV, ploidy, Sibling QC and ROH in preimplantation embryo biopsy samples



Comprehensive detection

A single solution to detect CNV, Ploidy, Sibling QC and ROH (Regions of Homozygosity)

Default SNP analysis

Genie-A uses Genome-wide SNP information to detect Ploidy, Sibling QC and ROH

High Resolution

 \geq 4Mb CNVs (unknown), and \geq 1 Mb inherited CNVs (known)

High throughput and Scalability

5M reads/sample, up to 96 samples/run, 1 x 100 bp reads. Sequencers: Genie Sequencer and DNBSEQ-G400



Genie-A Fast: Fast workflow, combining WGA and library preparation to reduce cost and time.

Genie-A Advanced: Separate WGA (MDA) followed by a patented library preparation method to support wider genome coverage.

Two versions of Genie-A kits with different sample preparation methods for greater flexibility, but with the same outcome.

Amplification Genie-A Kits Sequencers Reporting content method • Aneuploidy, Triploidy, Haploidy PicoPlex Genie-A Fast • ≥4Mb CNVs in unknown regions Genie Sequencer ≥1Mb known inherited CNVS DNBSEQ-G400* Mosaicism ≥30% C ≥10Mb Genie-A Advanced MDA • Whole chromosome level ROH Sibling QC

Competitive Pricing

Offering significant cost savings without compromising on quality

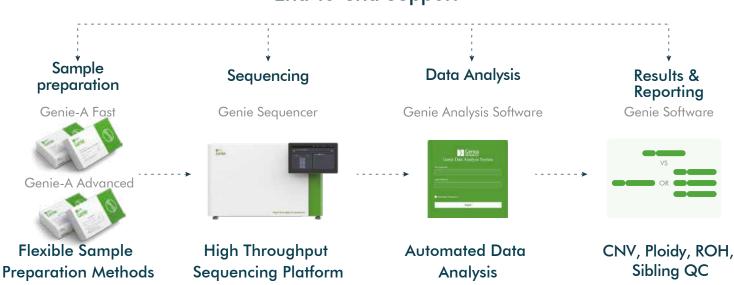
Accurate detection of CNVs

5M reads/sample combined with CBS algorithm provides accurate detection of CNVs

Supports Localised Deployment

Compatible with various devices and capable of quick report generation

End-to-end Support





Genie-Plus Solution

A single test for pre-implantation genetic testing of embryo biopsy samples

Comprehensive genetic testing

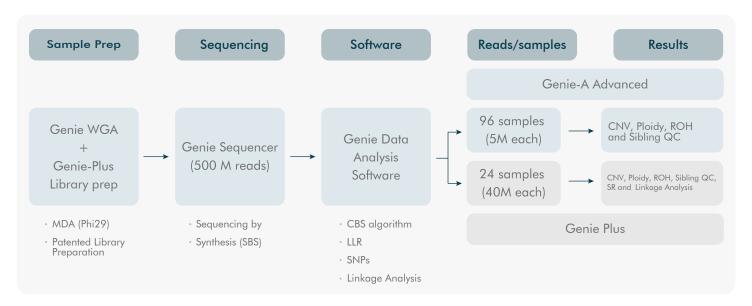
A single solution for the detection of CNV, Ploidy, Sibling QC, ROH, structural rearrangements and linkage analysis

Genome-wide coverage

WGA by MDA and a patented library preparation method for better whole-genome coverage



Genie Plus: A Single workflow for genetic testing of preimplantation embryo biopsies





Offering significant cost savings without compromising on quality

Patented Library Prep

Better genome coverage, need only 1/10th of 30x WGS data

Supports Localised Deployment

Compatible with various devices and capable of quick report generation

End-to-end Support

