

Supercharge Your Single-Cell Multiomics Projects with Single-Cell Genomics Experts

ResolveServicesSM Projects



PhD project management and reporting

Increase probability of success with single-cell genomics experts with a track record of successfully completed projects with academia, industry, and government agencies.



Cell sorting from fresh or frozen cells and tissues

Expand the number of cells available for analysis by using validated cell isolation and sorting technologies, whether the starting material is fresh or frozen tissue, cell cultures or single cells.



Design custom projects with ResolveDNA[®] and ResolveOME[™]

Change the starting material from cells to nuclei, screen for cells with genotypes of interest using qPCR, include exome or panel enrichment, or add oligo-conjugated antibodies for triomic (DNA, RNA, and targeted protein) analysis.

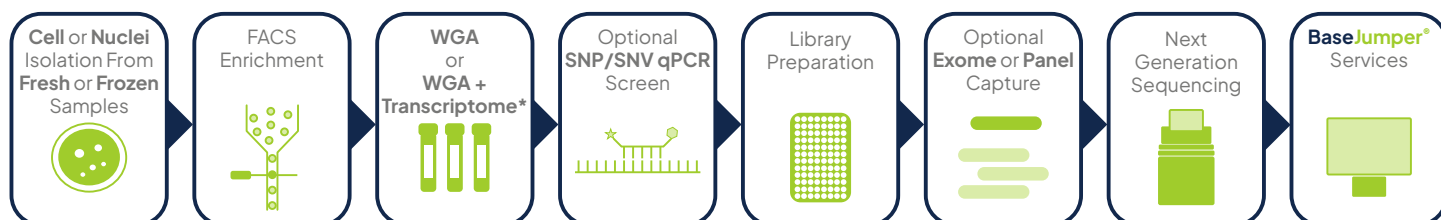


Bioinformatics analysis with BaseJumper[®] Services

Reduce the dependency on internal computational resources with bioinformatics analysis and publication-ready data visualization by PhD-level computational biologists. Take advantage of application-specific analysis bundles or request custom analyses.

ResolveServices Example Workflow

Custom-built service projects, from singulating cells to figures. Services can include:



FACS: Fluorescence-Activated Cell Sorting, WGA: Whole Genome Amplification

*Optional **targeted protein** detection available



ResolveOME Assay Performance

Table 1: ResolveOME WGS DNA Performance	
Characteristic	Observed Values
Accuracy	99.99%
Sensitivity	96.65%
Specificity	99.99%
Allelic Balance	91.20%
Genomic Coverage	97.59%

Table 2: ResolveOME WTS RNA Performance	
Characteristic	Observed Values
Protein Coding Genes	3451 ± 732
Concordance	0.97
Variance (CV)	32.9%

Assay performance characteristics of DNA (Table 1) and RNA (Table 2) isolated using ResolveOME Whole Genome and Transcriptome Single-Cell Core Kit. Analysis of FACS-sorted NA12878 single cells prepared with ResolveOME versus gold-standard reference. WGS: whole genome sequencing. WTS: whole transcriptome sequencing.

Offerings Available Exclusively in ResolveServices

Offering	Description
ResolveSEQ MRD	Single-cell whole genome and transcriptome analysis of MRD cells. MRD cells are enriched by flow cytometry in your lab and then shipped to BioSkryb's ResolveServices team for comprehensive single-cell analysis.
ResolveSEQ ScreenHT	Single-cell whole genome amplification of all cells in a population followed by qPCR screening for single cells with a defined SNV/SNP of interest. WGS follows for only cells with the SNV/SNP of interest.
BaseJumper Services	Custom bioinformatics analyses or application-specific bundles such as DeepVariant Pipeline with Somatic Heuristic Filtering Bundle, Neoantigen Detection Bundle, or Cell and Gene Therapy Bundle.

Customer Testimonial



Jeffrey Quinn
Assoc. Director, Experimental Genomics & Off-Target Biology
Beam Therapeutics

“ BioSkryb’s superior PTA technology and exceptional service have been invaluable to our efforts to characterize on- and off-target editing activity of CRISPR-based gene editing technologies. Their team is responsive, swift, and consistently goes above and beyond, delivering high-quality single-cell whole-genome amplification (WGA) results that outperform competitors across key metrics. The high-quality WGA results delivered by the BioSkryb service team have made it possible to measure single-nucleotide variants (SNVs) at single-cell resolution with higher confidence than ever before. ”



bioskryb.com

All data on file.
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