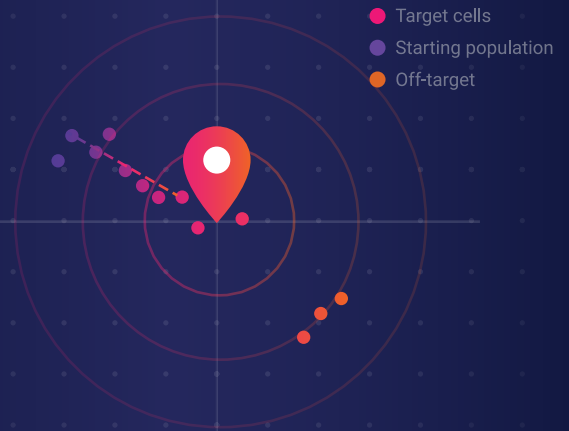


Building the GPS For Cell Engineering™

At CapyBio, we are experts in cell identity. We tell you where you are, where you're headed, and get you where you want to go — because the best science requires precise navigation.



Analysis Packages



Capybara™ Benchmarking Analysis

Precise cell identity profiling that goes beyond discrete labels — capturing transitional states, partial reprogramming, and off-target fates standard annotation misses.

- ✓ Distinguishes incomplete maturation, residual starting-state biology, and lineage drift
- ✓ Quantifies identity purity at single-cell resolution
- ✓ Mixed-identity and unclassified cells reported explicitly — no forced labels
- ✓ Integrated report linking identity and composition across all samples

SAMPLE LIMIT: 2 samples
50k cells/sample

TAT: 1–2 weeks



Capybara™ Advanced Analysis

Everything in Benchmarking, plus DEG and GSEA analyses that explain why specific cell states are present and provide a rational basis for protocol optimization.

- ✓ Connects cell identity to active biological pathways and functional programs
- ✓ Helps identify protocol limitations — incomplete maturation, donor-state biology, or lineage diversion
- ✓ Informs markers for follow-up assays and surface markers for population purification

SAMPLE LIMIT: 8 samples
50k cells/sample

TAT: 2–3 weeks



CellOracle™ Differentiation Optimization Analysis

Reveals the TF regulatory logic driving each cell state, with in silico perturbation screening to guide wet lab decisions before you run a single experiment.

- ✓ Identifies which TFs drive identity differences and quantifies their influence
- ✓ Simulates KO & OE of 20 key TFs in your own data before any wet lab work
- ✓ Integrated report covering GRN architecture, pairwise centrality comparisons, and ranked perturbation results

SAMPLE LIMIT: 2 samples
20k cells/sample

TAT: 2–4 weeks

CapyBio.com | The GPS for cell engineering — we'll get you there.

Reach out to discuss your next project. Custom options also available.
info@capybio.com



Optional Add-On Services

1 Single-Cell RNA Sequencing

Priced per sample. Includes library prep (10X Genomics), QC, sequencing, and data processing to counts matrix. Minimum 2 samples; tiered pricing available.

COMPATIBLE WITH: All packages

2 Pre-Processing, Normalization & Clustering

Priced per sample. Performed upstream of CellOracle. Prepares raw data through normalization and clustering. Does not include batch correction.

COMPATIBLE WITH: CellOracle Differentiation Optimization Analysis

3 DEG & GSEA Analysis

Priced per dataset. Adds differential gene expression and pathway enrichment to the Benchmarking package. Optional batch effect correction available.

COMPATIBLE WITH: Capybara Benchmarking Analysis

4 Additional Samples — Capybara

Add samples beyond the package default (2 for Benchmarking, 8 for Advanced) at a per-sample rate.

COMPATIBLE WITH: Capybara Benchmarking & Advanced Analysis

5 Additional Samples — CellOracle

The CellOracle package includes up to 2 samples. Extend to additional samples at a per-sample rate. Each requires the same pre-processed inputs: clusters, 2D embedding, pseudotime, and key cluster designations.

COMPATIBLE WITH: CellOracle Differentiation Optimization Analysis

Applications

Our innovative platform enables generation of precise human cells for research, pre-clinical testing, cell therapy, regenerative medicine, and more.

Cell Models & Organoids

Human-relevant models for confident decisions

Cell Therapy Manufacturing

Optimal identity with maximal yield

Regenerative Medicine

Better cells, better function

CapyBio.com | The GPS for cell engineering — we'll get you there.

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