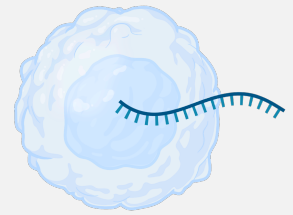




# Single Cell RNAseq at SCALE.

Unlock single-cell gene expression for every researcher and experiment with ScaleBio



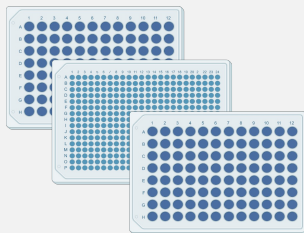
The ScaleBio™ Single Cell RNA Sequencing Kit enables unprecedented sample multiplexing, cell throughput, and transcriptomic profiling of cells.

Many single-cell projects demand higher throughput, but are held back by high workflow costs. At ScaleBio, we want to enable researchers to discover more.

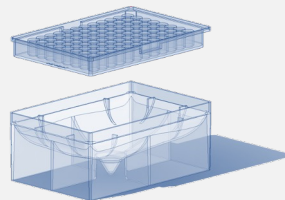
Cell fixation



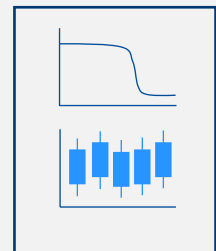
2-day, plate-based workflow



Smart Plastics



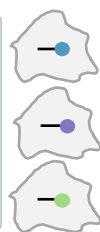
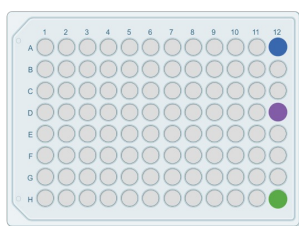
Full bioinformatics pipeline



Achieve an output of 125,000 cells per run at a fraction of the cost

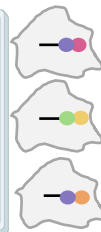
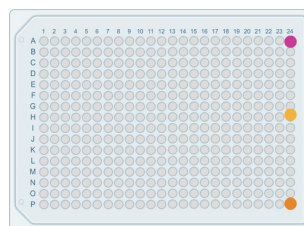
We leverage the cell as the reaction compartment to carry out three levels of combinatorial indexing, generating >3.5M unique combinations. Design is flexible: process between 1-96 samples per run.

Level 1: RT  
96 barcodes



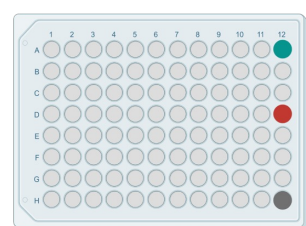
Total combinations: 96

Level 2: Ligation  
384 barcodes



Total combinations: 36K

Level 3: Tagmentation & Indexing  
96 barcodes



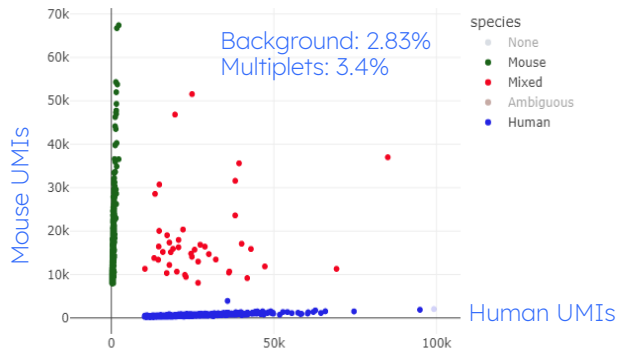
Total combinations: >3.5M



## Mixed species experiment shows low effective doublet rate

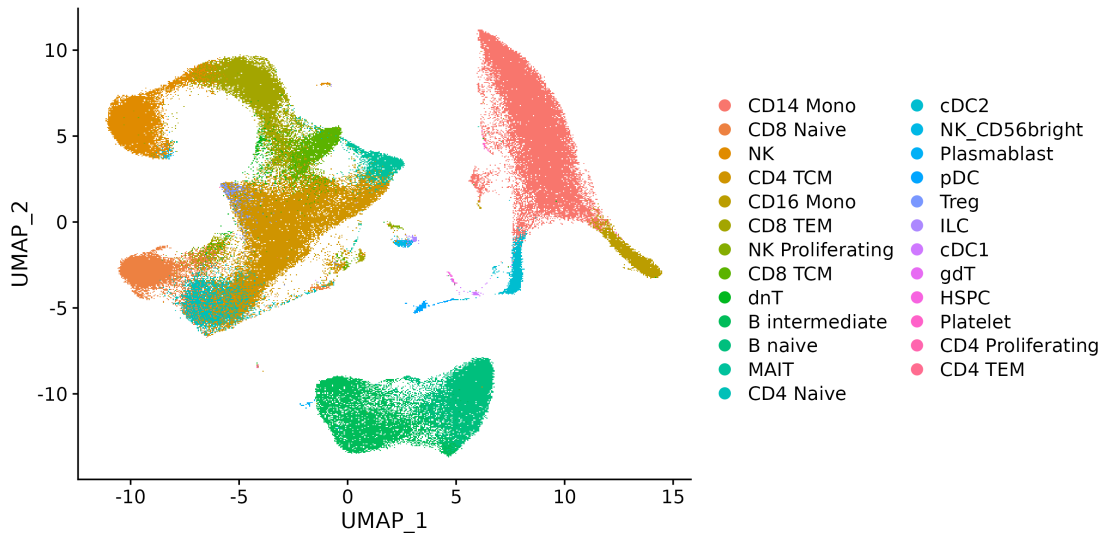
Human K562 cells mixed with Mouse 3T3 cells, 8 wells taken through sequencing.

Metric	Value
Mean reads/cell	63,327
Median UMIs/cell	15,195
Saturation	63%



## Key cell types and proportions represented in PBMCs

161K cells sequenced from a single patient



## SCALE your projects and expand your research

Achieve the benefits of combinatorial indexing technology with ScaleBio



Scalable sample indexing



Cost-effective library preparation



Scalable cell throughput



No instrument required