



Single Cell RNAseq at SCALE.

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



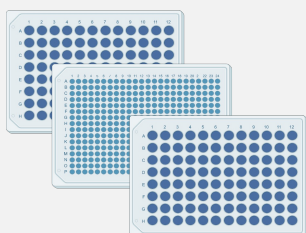
ScaleBio's scRNA Kit enables unprecedented sample multiplexing, cell throughput, and transcriptomic profiling of cells.

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.

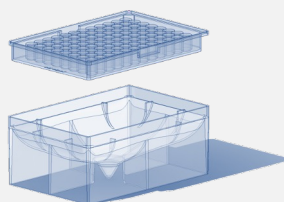
Cell fixation



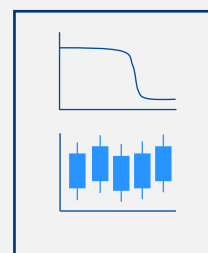
2-day, plate-based workflow



Smart Plastics



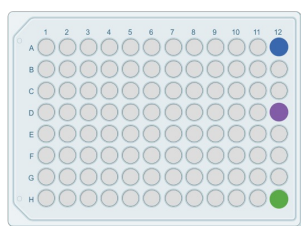
Full bioinformatics pipeline



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

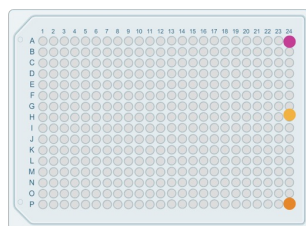
We leverage the cell as the reaction compartment to carry out three levels of combinatorial indexing, generating >3.5M unique combinations. Design is flexible: process between 1-96 samples per run.

Level 1: RT
96 barcodes



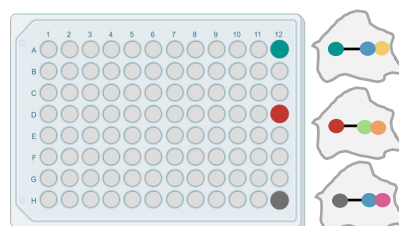
Total combinations: 96

Level 2: Ligation
384 barcodes



Total combinations: 36K

Level 3: Tagmentation & Indexing
96 barcodes



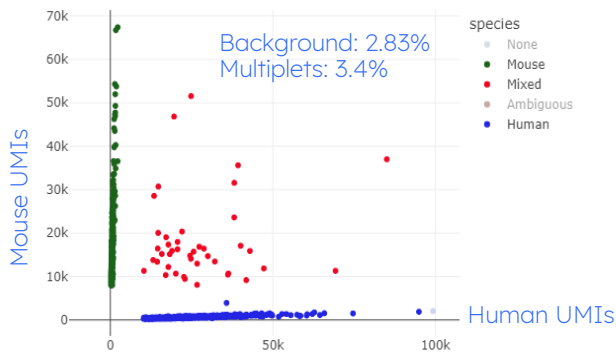
Total combinations: >3.5M



Mixed species experiment shows low effective doublet rate

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

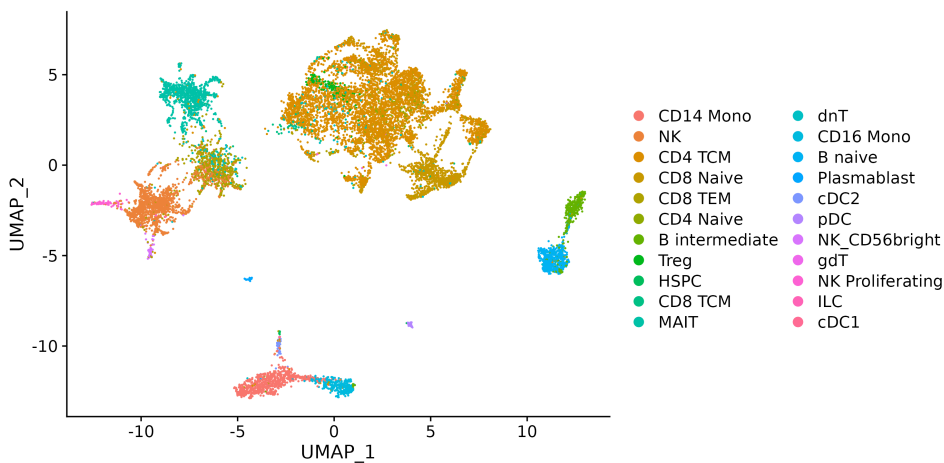
Metric	Value
Mean reads/cell	63,327
Median UMIs/cell	15,195
Saturation	63%



Key cell types and proportions represented in PBMCs

4 donors were multiplexed in one plate, reducing batch effects.

10 wells were taken through sequencing.



SCALE your projects and expand your research

Achieve the benefits of combinatorial indexing technology with ScaleBio



Scalable sample indexing



Cost-effective library preparation



Scalable sample throughput



No instrument required