

Plate-based Methods

Plate-based scRNA-seq Workflow

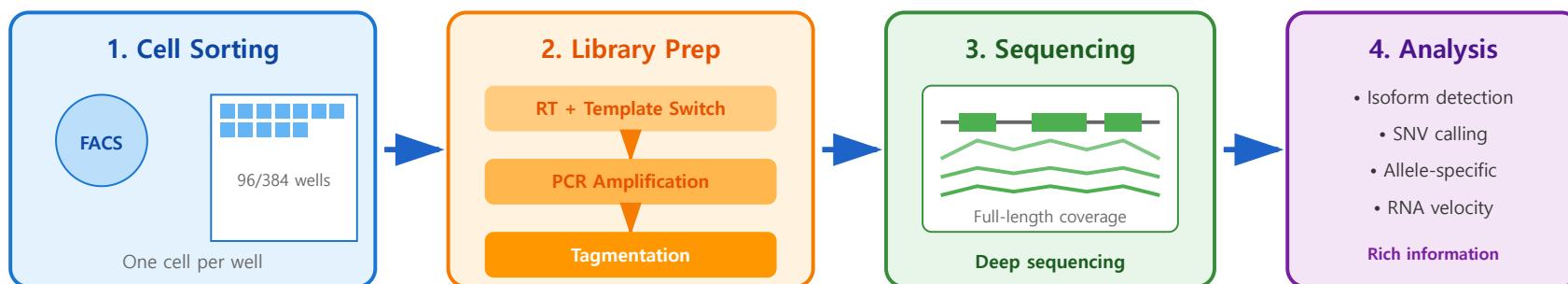


Plate-based Methods Comparison

Smart-seq2/3

- ✓ Full-length transcripts
- ✓ Highest sensitivity
- ✓ Isoform analysis
- X No UMIs
- X Higher cost/cell

MARS-seq

- ✓ UMI incorporation
- ✓ Automated
- ✓ 3' counting
- ✓ Cost-effective
- X 3' bias

CEL-seq2

- ✓ Linear amplification
- ✓ UMIs
- ✓ Low bias
- ✓ Multiplexing
- X Complex protocol



Lower throughput but deeper sequencing per cell