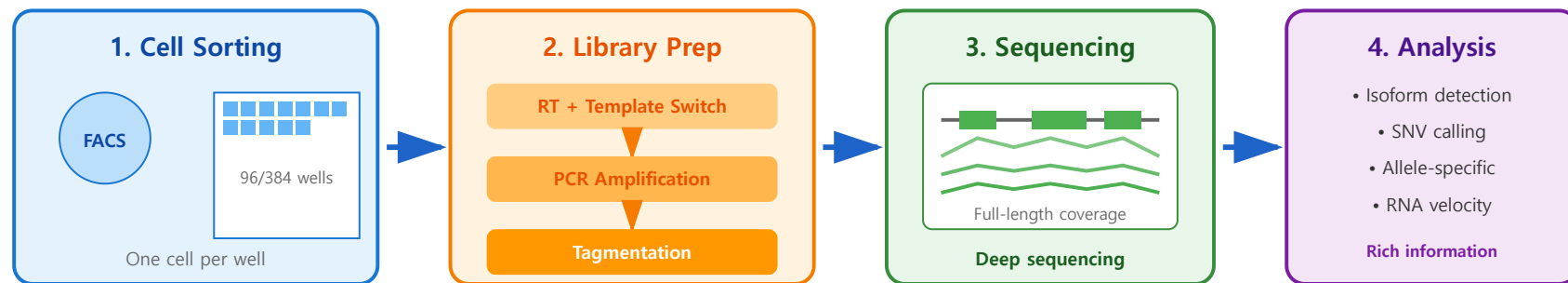


# Plate-based Methods

## Plate-based scRNA-seq Workflow



## Plate-based Methods Comparison

### Smart-seq2/3

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

### MARS-seq

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

### CEL-seq2

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

💡 Lower throughput but deeper sequencing per cell