Sample Processing Workflow for Single-Cell RNA-Seq

Customer submits samples

Azenta Life Sciences determines viability and cell count

≥70% viability

<70% viability

Target cell number for sequencing	Desired number of viable input cells
6,000	>10,400
3,000	>5,200
1,000	>1,700

Determine if a candidate for dead cell removal (DCR)

Sufficient cells for DCR (≥500,000 cells)

Insufficient cells for DCR (<500,000 cells)

Perform DCR

Determine viability and cell count

≥70% viability

<70% viability

Sufficient cell count

Fewer than desired cells

Proceed as requested

Proceed with best effort to capture as many cells as possible

DO NOT CONTINUE Schedule a meeting with customer to discuss next steps

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