

Chromium™ Single Cell 3' Protocol Time Planner



	Bench Time [§]	Instrumentation Time	Stop & Store Options
Single Cell 3' Protocol - Day 1	Cell Preparation Sample Dependent 1 - 1.5 h		
	1 h Reagent Prep - 20 min Loading Single Cell 3' Chip - 5 min Transferring GEMs - 2 min	GEM Generation - 6 min	
	2 h	GEM-RT Incubation - 2 h	
	3 h		STOP 4°C ≤72 h
	4 h Cleanup - Silane Beads - 45 min Cleanup - SPRIselect - 15 min cDNA Amplification Prep - 5 min	cDNA Amplification - 45 min	
	5 h Cleanup - SPRIselect - 15 min QC*		STOP 4°C ≤72 h STOP 4°C ≤72 h or -20°C ≤1 week
Day 2	1 h Shearing** - 35 min Size Selection - SPRIselect - 25 min End Repair & A-tailing Prep - 5 min		
	2 h	End Repair & A-tailing Incubation - 1 h	
	3 h Adaptor Ligation Prep - 5 min Cleanup 1 - SPRIselect - 15 min Cleanup 2 - SPRIselect - 15 min Sample Index PCR Prep - 5 min	Adaptor Ligation Incubation - 15 min	
	4 h	Sample Index PCR - 25 min	STOP 4°C ≤72 h
	Cleanup 1 - SPRIselect - 15 min Cleanup 2 - SPRIselect - 15 min QC & qPCR Quantification*		STOP 4°C ≤72 h or -20°C long-term

[§]Estimates including hands-on & benchtop incubation times. *Bioanalyzer/TapeStation QC (~ 50 min total) & qPCR Quantification (~ 1 h total) times not included. **Shearing time assumes 8 samples sheared in Covaris M220 instrument