











C1 Single-Cell mRNA Seq HT Reagent Kit

Kit Part Number: 101-0063

Intended Use

The purpose of this kit is to provide the necessary materials to enable sample preparation for mRNA sequencing with high-throughput integrated fluidic circuits (HT IFCs) on the C1™ system.

Contents

Part Number	Component	Cap Color	Unit Quantity	Volume/Unit	Uses/Unit	Storage
101-0059	C1 Single-Cell mRNA Seq HT Reagent Kit, Module 1					
101-0165	10X Blocking Reagent		5 tubes	50.0 µL	1 IFC	
100-8506	Cell Rinsing Reagent		7 tubes	1.6 mL	1 IFC	
101-0552	Stability Solution		1 tube	1.0 mL	5 IFCs	4 °C
100-5315	Suspension Reagent		5 tubes	50.0 µL	1 IFC	
100-9969	Valve Fluid		5 tubes	1.2 mL	1 IFC	
101-0060	C1 Single-Cell mRNA Seq HT Reagent Kit, Module 2					
100-6248	C1 Harvest Reagent		5 bottles	3.7 mL	1 IFC	
100-5361	DNA Dilution Reagent		1 tube	1.0 mL	5 IFCs	
101-0058	Enrichment Primer		1 tube	130.0 µL	5 IFCs	-20 °C
100-5312	Loading Reagent		5 tubes	25.0 µL	1 IFC	
101-0054	Preamp Primer		1 tube	15.0 µL	5 IFCs	
101-1125	Preloading Reagent		5 tubes	750.0 µL	1 IFC	
101-0061	C1 Single-Cell mRNA Seq HT Reagent Kit, Module 3					
101-0164	Cell Barcode Plate	—	5 plates	40 barcodes	Single use only	-20 °C
101-0062	C1 Single-Cell mRNA Seq HT Reagent Kit, Module 4					
100-0056	Reverse Transcription Primer		1 tube	20.0 µL	5 IFCs	-80 °C

Part Number	Component	Cap Color	Unit Quantity	Volume/Unit	Uses/Unit	Storage
101-1106	C1 Single-Cell mRNA Seq HT Reagent Kit, Module 5					
	SMARTer® II A Oligonucleotide (12µM)	—	1 tube	24.0 µL	5 IFCs	–80 °C
	5X First-Strand Buffer	—	1 tube	96.0 µL	5 IFCs	–20 °C
	SMARTer dNTP Mix (20 mM each)	—	1 tube	24.0 µL	5 IFCs	
	Dithiothreitol (DTT; 100mM)	—	1 tube	12.0 µL	5 IFCs	
	SMARTScribe™ Reverse Transcriptase (100U/µL)	—	1 tube	48.0 µL	5 IFCs	
	Nuclease-Free Water	—	1 tube	1.0 mL	5 IFCs	
	RNase Inhibitor (40U/µL)	—	1 tube	60.0 µL	5 IFCs	
	10X Lysis Buffer – v3	—	1 tube	460.0 µL	5 IFCs	

Handling

Before using reagents, refer to the Using the C1 High-Throughput IFC to Generate Single-Cell cDNA Libraries for mRNA Sequencing Protocol (PN 100-9886).

Safety

Use standard laboratory safety protocols. Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, go to fluidigm.com/sds and search for the SDS using either the product name or the part number.

For technical support visit fluidigm.com/support

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