

Polaris mRNA Seq Reagent Kit for 5 IFCs

Kit Part Number: 100-9170

Intended Use

The purpose of this kit is to provide the necessary material to support single-cell dosing on the Polaris system using the Polaris Single-Cell Dosing mRNA Seq IFC.

Contents

Part Number	Component	Quantity	Storage
100-9170	Polaris™ Single-Cell mRNA Seq Reagent Kit	5 IFCs	Module 1: 4 °C (PN 100-9168) Module 2: -20 °C (PN 100-9169)

Module 1 (PN 100-9168)

Part Number	Component	Volume	Storage	Uses
100-5314	Cell Wash Buffer	25.9 mL in 1 bottle	4 °C	5 IFCs
100-9571	Polaris Cell Capture Beads	120 µL in 1 tube		
100-9964	Polaris Bead Linking Reagent	180 µL in 1 tube		
101-0434	Cell Suspension Reagent*	100 µL X 5 tubes		
101-0435	Polaris Blocking Reagent*	325 µL X 5 tubes		
101-1364	Polaris Bead Suspension Reagent*	1.2 mL X 5 tubes		
101-7371	Initialization Reagent	200 µL in 1 tube		

Module 2 (PN 100-9169)

Part Number	Component	Volume	Storage	Uses
100-9940	Valve Priming Reagent	2.3 mL X 2 bottles	-20 °C	5 IFCs
100-9941	Harvest Reagent*	1.6 mL X 5 tubes		
100-9942	Preloading Reagent*	0.6 mL X 5 tubes		
100-9166	Actuation Fluid	3.5 mL in 1 bottle		
100-9167	DNA Dilution Reagent	3.0 mL in 1 bottle		
101-1004	Loading Reagent*	130 µL X 5 tubes		
101-1365	Polaris Lysis Plus Reagent	25 µL in 1 tube		
101-1366	Polaris RT Plus Reagent	25 µL in 1 tube		
101-1367	Polaris Lysis Reagent	40 µL in 1 tube		
101-5401	Imaging Reagent	200 µL in 1 tube		

Handling

The components that are designated by an asterisk in the tables above (*) are packaged as single-use items, one tube per IFC run.

Before using reagents, refer to the protocol Generate Single-Cell cDNA Libraries for mRNA Sequencing with Polaris (PN 101-0082).

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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