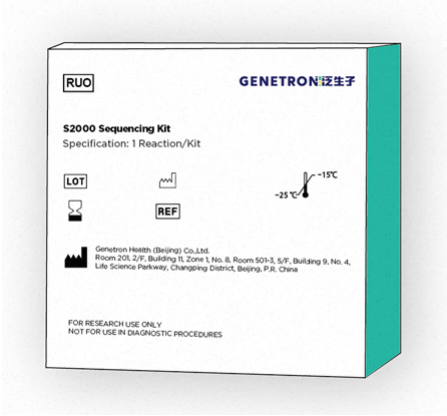
GENETRON
ANSWERS FOR CANCER

RUO

S2000 Sequencing Kit

Intended Use

Used in conjunction with Genetron S 2000 sequencer and library preparation kit to perform high-throughput sequencing and obtain sample sequence information. It is a universal reagent for this sequencing reaction system.



Principle of Assay

This product prepares DNA nanoballs (DNBs) from library DNA, and uses combinatorial probe-anchor synthesis (cPAS) to polymerize DNA anchors and fluorescent probes on the DNBs. A high-resolution imaging system captures the fluorescent signals, which are digitally processed to obtain high-quality, high-accuracy sample sequence information.

Main Components

Reagent No.	No.	Reagent Name	Specification & Quantity	
			S2000 OS PE150 FCL	S2000 OS PE150 FCS
Reagent 1	1	TE Buffer	300μL/tube×1	300μL×1
	2	DNB Preparation Buffer	80μL/tube×1	80μL×1
	3	Convertase	5μL/tube×1	5μL×1
	4	DNB Polymerase Mix I	160μL/tube×1	160μL×1
	5	DNB Polymerase Mix II	8μL/tube×1	8μL×1
	6	DNB Stop Buffer	100μL/tube×1	100μL×1
Reagent 2	1	Sequencing Flow Cell	1 EA	1 EA
	2	TE Buffer	300μL/tube×1	300μL/tube ×1
	3	DNB Preparation Buffer	80μL/tube×1	80μL/tube ×1
	4	DNB Polymerase Mix I	160μL/tube×1	200μL/tube ×1
	5	DNB Polymerase Mix II (LC)	25μL/tube×1	25μL/tube ×1
	6	DNB Stop Buffer	100μL/tube×1	100μL/tube ×1
	7	DNB Load Buffer I	200μL/tube×1	200μL/tube ×1
	8	DNB Load Buffer II	180μL/tube×1	200μL/tube ×1
	9	0.5 mL Cryotube	1 tube	1 tube
	10	dNTPs Mix	1.25mL/tube×1	2.00mL/ tube ×1
	11	dNTPs Mix II	1.70mL/tube×1	2.00mL/tube ×2
	12	DNA Polymerase Mix II	3.55mL/tube×1	4.80mL/tube ×1
	13	MDA Inactivation Reagent	3.50mL/tube×1	3.50mL/tube ×1
	14	MDA Polymerase Mix II	0.50mL/tube×1	0.50mL/tube ×1
	15	Sequencing Reagent Cartridge	1 EA	1 EA
	16	Transparent Sealing Film	2 sheets	2 sheets