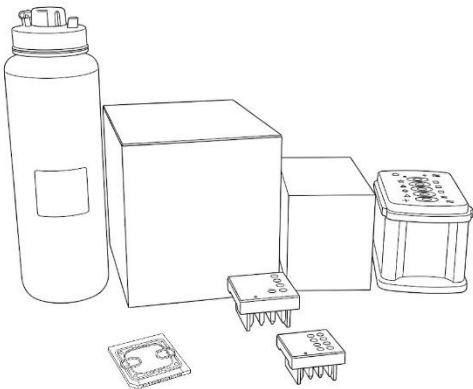


RUO

Sequencing Reaction Universal Kit

Intended Use

Used in conjunction with Genetron S5 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 enables library DNA to bind to magnetic beads in a water-in-oil system and undergo amplification under the action of an enzyme mixture. The DNA-coated magnetic beads are washed and enriched, and the enriched magnetic beads are loaded onto a sequencing chip. Hydrogen ions are generated by the pairing of dNTPs with the template strand, and DNA sequences are determined by detecting potential changes, completing the sequencing reaction based on semiconductor sequencing principles.

Main Components

Reagent No.	Reagent Name	Component Name	Specification & Quantity
Reagent 1	Part A1	Solution Plate	2 Reactions/Plate × 4 Plates
	Part B1	Reagent Plate	2 Reactions/Plate × 4 Plates
Reagent 2	Part A2	W1	1.5 L/Bottle × 4 Bottles
		W2	250 mL/Bottle × 1 Bottle
	Part B2	Sequencing Reagent	2 Reactions/Plate × 4 Plates
Reagent 3	Part C	Chip Adapter	2/box×4
		Enrichment Cartridge	1/box×4
		Tip Cartridge	1/box×4
		PCR Plate	1/box×4
		PCR Plate Frame	1/box×4
		Frame Seal	1/box×4
		Recovery Station Disposable Lid	2/box×4
		Recovery Tube	12/box×4
Reagent 4	Part D	Sequencing Chip	8 pc