NA YUAN TECH

10X Running Buffer

Catalog Number: SG6121X

Product description

10X running Buffer is mainly applied to the electrophoresis buffer of sequencing instruments, which can provide an electrophoresis buffer system for sequencing process after dilution to 1X. This product has the advantages of strong buffer capacity and low background of sequencing results. After testing, 20 consecutive plates still have good buffer capacity.

Contents

Item No.	Contents	specification	Description
SG6121X-5	10X running Buffer	500mL	Electrophoretic buffer for sequencing machines

Use steps

- The 10X running Buffer and double steaming water are configured with 1X working liquid 150ml according to the volume ratio of 1:9
- Remove the anode buffer bottle and cathode buffer tank from the sequencing instrument and clean them with double steaming water
- Pour 1X working solution into anode bottle and cathode buffer tank to mark.
- Assemble the anode bottle and cathode buffer tank into the sequencer

Problem and solution

If 1X working solution configured with 10X running Buffer has a great impact on the sequencing results, the following phenomena usually occur:

Phenomenon	Reason	Solution
The current line is unstable during electrophoresis	The ionic strength in the buffer is not enough	Replace with a new 1X working fluid
It has a blue or red background	The buffer is mixed with organic matter	Clean the buffer bottle and tank, and check the plastic pipe connecting the pump to the anode bottle
The current is too high during pre-electrophoresis (greater than 1200mA)	The ionic strength of buffer is too high	Reconfigure 1X working fluid
Peak delay or backward	The buffer is mixed with surfactant	Reconfigure 1X working fluid

Storage conditions

The temperature of the storage environment (refrigerator) should be 4 – 8 ℃, too low temperature will make the reagent freeze, in the case of incomplete melting will lead to the ionic strength of the reagent is too high, so when configuring the working liquid, pay attention to the temperature of the refrigerator and whether there is ice in the bottle, if found, it should be completely dissolved and mixed before use.