6× Gelstein red prestain loading buffer

G598080

Product introduction：

Gelstein red is a very sensitive, stable, safe and non-toxic new nucleic acid dye, which can completely replace EB with high mutagenicity. six × Gelstein red prestain loading buffer is a gelloading buffer containing tracer dye and gelstein red. This pre staining buffer contains two blelectrophoretic tracer dyes, which indicate electrophoretic bands of 1.5 KB and 200 bp,respectively, in a 1% agarose gel. The product can be directly mixed with DNA samples and loaded for gel electrophoresis experiments without adding nucleic acid dye to the prepared agarose gel in advance, so it is more convenient and fast. Gelstein red and EB have almost the same spectrum,so gelstein red can replace EB without changing the existing imaging system. In addition, gelstein red is also compatible with downstream operations such as gene sequencing and cloning.Gelsteinred bound to DNA can be effectively removed by using commercial DNA gel extraction kit, phenol / chloroform extraction method, ethanol precipitation method, etc.

Matters needing attention：

1.please centrifuge the product to the bottom of the tube immediately before use, and then conduct subsequent experiments. 2.TAE and tbe have different conductivity. If it is necessary to shorten the electrophoresis time, Tae electrophoresis buffer can be selected. 3.the voltage should not be too high during electrophoresis, generally about 120 V, but the specific conditions depend on different laboratories. 4.when the loading concentration is large, the product can also achieve ideal results.

Scope of application：

Nucleic acid sample staining in nucleic acid gel electrophoresis.

Instruction：

1.Configure a certain concentration of agarose gel according to the experimental program. Note that in the gel configuration, there is no need to add any dyes such as EB, GelstainRed, etc.

2.The 6 × GelstainRed Prestain loading buffer was simply vortexed and centrifuged, and mixed with the DNA sample at a ratio of 1 : 5.

3.DNA gel electrophoresis experiment was carried out according to the standard procedure.

4.Observe the electrophoresis bands under the UV transmission instrument. Using EB filter, or SYBR Green, GelStar filter to observe the gel, also can get better results.