

Supercoiled DNA Ladder

产品组成

产品名称	规格	Cat. No.
Supercoiled DNA Ladder	250 μ l	MD1014

产品储存与有效期

产品可在室温（15-25℃）储存。如果长期不用，请于 -20℃ 储存。

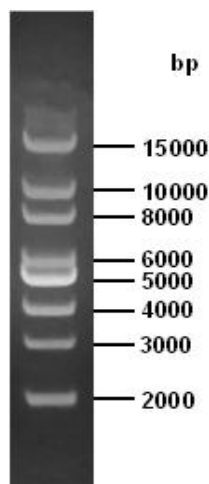
技术支持

杭州新景生物试剂开发有限公司研发部：e-mail: technical@simgen.cn, 电话：400-0099-857。

产品介绍

Supercoiled DNA Ladder

由 8 种长度在 2kb 至 15kb 的超螺旋质粒 DNA 片段组成，溶解于 1×Loading Buffer 中，使用时可取 5-10 μ l 直接电泳，使用非常方便。



注意事项

1. 电泳时的加样孔宽度小于 5 mm 时，每次取 5 μ l Marker 电泳便可得到清晰条带。如果加样孔增宽，须适当增加 Marker 的加样量。
2. 对 DNA 电泳而言，Agarose 的纯度对 DNA 条带的清晰度影响很大。因此，电泳时应尽量选用质量好的 Agarose，推荐使用胶浓度为 0.7%~1%。
3. 进行 Agarose 电泳时，Agarose 浓度越大，对短片段 DNA 分离性能越好；反之，Agarose 浓度越小，越有利于长片段 DNA 的分离。
4. 本产品特别添加的红色和黄色两种电泳指示染料，不会削弱 DNA 在紫外线下的显色效果，较常用的电泳指示染料（溴酚蓝、二甲苯青等）具有更佳的使用效果。

Supercoiled DNA Ladder

MATERIALS PROVIDED

Components	Specification	Cat. No.
Supercoiled DNA Ladder	250 µl	MD1014

STORAGE

Store at room temperature (15 - 25°C). If the product is not used for a long period of time, please store at -20°C to prevent the evaporation of water.

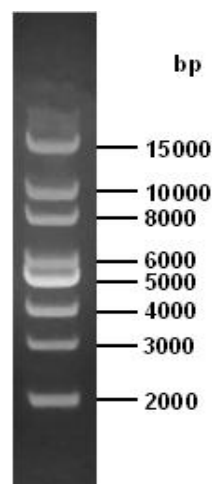
TECHNICAL SUPPORT

TEL: 400-0099-857

E-MAIL: technical@simgen.cn

INTRODUCTION

Supercoiled DNA Ladder is composed of 8 individual supercoiled plasmid DNA, presenting 15k, 10k, 8k, 6k, 5k, 4k, 3k, 2k bp sharp bands respectively. Supercoiled DNA Ladder contains 1×Loading Buffer, users can apply 5 - 10 µl Marker in agarose gel electrophoresis directly.



PRECAUTION

1. Clear bands can be obtained by applying 5 µl Ladder when the lane width is less than 5 mm. If the lane is wider, loading volume of Ladder should be increased appropriately.
2. For DNA electrophoresis, agarose purity is of great significance to DNA band definition. Therefore, agarose with good quality should be used and gel concentration of 0.7 - 1 % is recommended.
3. During agarose electrophoresis, the concentration of agarose is closely associated with the separation of DNA fragments. High agarose concentration is ideal for the separation of the short DNA fragments. While low agarose concentration is ideal to separate the long DNA fragments.
4. The red and yellow tracking dye in Supercoiled DNA Ladder will not weakened the DNA bands under UV light, better than bromophenol blue and xylene cyanol FF.