

DNA Marker I

产品组成

产品名称	规格	Cat. No.
DNA Marker I	250 μ l	MD1008
DNA Marker I	1.25ml	MD1108

产品储存与有效期

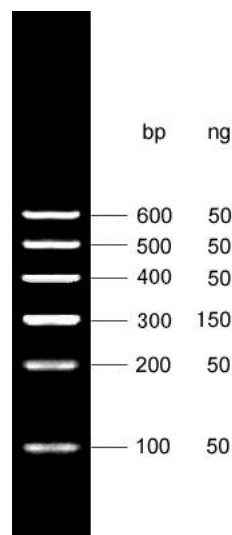
产品可在常温（0-30 $^{\circ}$ C）储存。如果长期不用，为防止水分蒸发请于 - 20 $^{\circ}$ C 储存。

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

DNA Marker I 由 6 种长度在 100 bp 至 600 bp 的 DNA 片段组成，溶解于 1 \times 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 2.5%~3%。
3. 进行 Agarose 电泳时，Agarose 的浓度与 DNA 片段的分离性能关系密切。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。

DNA Marker I

MATERIALS PROVIDED

Components	Specification	Cat. No.
DNA Marker I	250 μ l	MD1008
DNA Marker I	1.25ml	MD1108

STORAGE

Store at normal temperature (0 - 30°C). If the product is not used for a long period of time, please store at -20°C to prevent the evaporation of water.

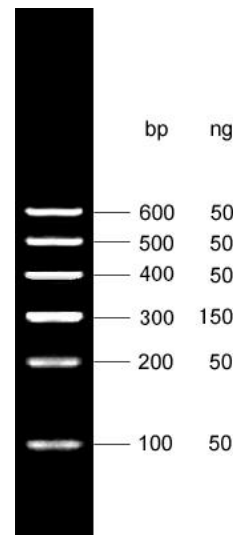
TECHNICAL SUPPORT

TEL: 400-0099-857

E-MAIL: technical@simgen.cn

INTRODUCTION

DNA Marker I is composed of 6 individual DNA fragments, presenting 600, 500, 400, 300, 200, 100 bp sharp bands respectively. DNA Marker I contains 1×Loading Buffer, users can apply 5 - 10 μ l Marker in agarose gel electrophoresis directly.



PRECAUTION

1. Clear bands can be obtained by applying 5 μ l Marker when the lane width is less than 5 mm. If the lane is wider, loading volume of Marker 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 2.5 – 3.0 % 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.