

Agarose Basic

Standard agarose for gel electrophoresis

Product No. A8963

Description

Agarose Basic is a standard agarose for the separation of DNA and RNA fragments and may be used at concentrations between 0.8 and 2 %. Agarose Basic is compatible with all common electrophoresis buffer systems. This product is suited for molecular biology applications such as control of restriction digests, blotting experiments (Northern, Southern, dot blot, etc.) or preparative gel electrophoresis.

Specification

DNases/RNases/Proteases	not detectable	Gel point	36 ± 1.5°C
Ash	≤ 0.45 %	Melting point	88 ± 1.5°C
Electroendosmosis	0.14 - 0.16 (EEO)	Clarity	max. 4 NTU
Gel strength (1 %)	≥ 1000 g/cm ²	Sulfate	≤ 0.1 %
Gel strength (1.5 %)	≥ 2200 g/cm ²		

Storage: RT

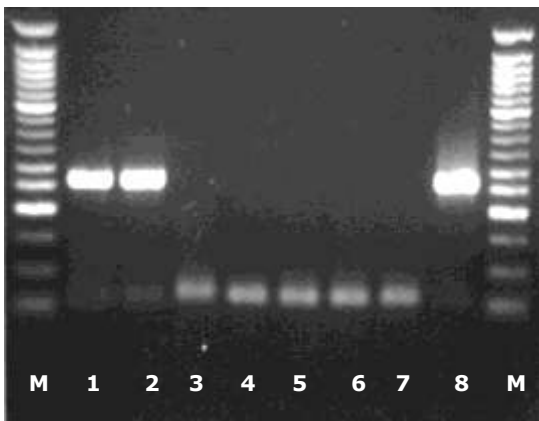


Fig. 1: Gel electrophoresis of DNA using Agarose Basic (2%) stained with Ethidium bromide. The gel shows positive (267 bp product) or negative PCR (lanes 1 - 8). M:50 bp DNA Ladder.

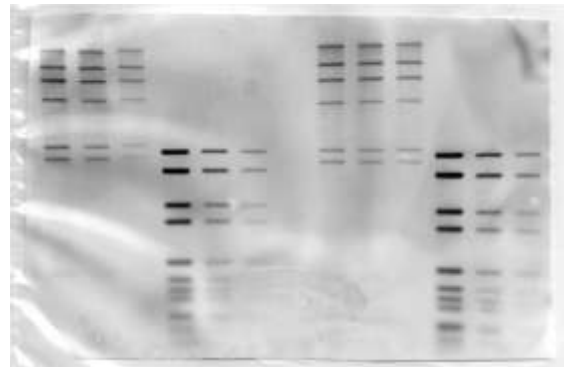


Fig. 2: Southern blot after gel electrophoresis of DNA using Agarose Basic.

Table: Recommended agarose concentrations for gel electrophoresis of dsDNA

Separation range (bp)	Agarose conc. [% w/v]
10000 - 500	0,8
8000 - 300	1,0
5000 - 200	1,2
3000 - 100	1,5
2000 - 50	2,0

Related products:

A2119	Agarose Low Melt 3	A5216	DNA Ladder 100 bp plus
A2120	Agarose Low Melt 4	A5207	DNA Ladder 1 kb
A4227	TAE buffer (10X) Molecular biology grade	A3470	DNA Ladder 100 bp (lyophilised)
A4686	TAE buffer (50X) Molecular biology grade	A3982	DNA Ladder 250 bp (lyophilised)
A3945	TBE buffer (10X) Molecular biology grade	A2667	DNA Ladder 1 kb (lyophilised)
A4228	TBE buffer (5X) Molecular biology grade	A2273	Ethidium bromide - Solution 0.07 % "dropper-bottle"
A4394	TBE buffer (5X) powder	A1152	Ethidium bromide - Solution 1 % BioChemica
A5191	DNA Ladder 100 bp		