



Fisher Biotec Agarose



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For all your life science requirements

Fisher Biotec offers a comprehensive range of quality products at competitive prices. We specialise in the manufacture of leading-edge products for Molecular Biology, Genomics and Proteomics research.

Molecular Biology Grade Agarose

Due to its low EEO (0.12), DNA sized between 100 - 50,000bp can be efficiently separated. A high gel strength of >1,300g/cm² (1% gel) allows the separation of larger DNA molecules.

Agarose Concentration %	Range of Linear DNA (kb) Separation
0.3	5.0 – 60
0.6	1 – 20
0.8	0.5 – 12
1.0	0.3 – 8
1.2	0.2 – 6
1.5	0.1 – 3.5
2.0	0.05 – 2

Environmentally friendly recommended for Southern and Northern blotting applications where high purity and low sulphate is required. The gel also exhibits low background fluorescence after ethidium bromide staining.

Catalog No	Pack Size
AG100	100 gms
AG500	500 gms (1x500 gms)

High Resolution Agarose

Most suited for the resolution of fragments between 250 and 1,000 base pairs. Varying the concentration of the gel allows effective resolution of different sized products.

Agarose Concentration %	Range of Linear DNA (bp) Separation
1.8	500 – 1000
3.0	250 – 600
4.5	50 – 350

To achieve the best resolution with high resolution grade agarose gels, the gels must be chilled at 4 - 8°C for 30 minutes prior to use. This is important in these low gelling temperature agaroses as the gelling process may not gel to completion at room temperature resulting in weak gels and poor resolution. The gel exhibits low background fluorescence after staining with ethidium bromide.

Catalog No	Pack Size
HRA100	100 gms
HRA500	500 gms (1x500 gms)

Agarose

Continued

Low Melting Point Agarose

Most suited for extraction and purification of nucleic acids from agarose gel. This is due to the low gel strength (400gms/cm² at 1%) and the low melting temperature (26.9°C) properties of this gel. DNA products of >1,000 bp can be finely resolved with this gel.

To achieve the best resolution with low melting point grade agarose gels, the gels must be chilled at 4 - 8°C for 20 hours prior to use. This is important in these low gelling temperature agaroses as the gelling process may not gel to completion at room temperature resulting in weak gels and poor resolution. The gel exhibits low background fluorescence after staining with ethidium bromide.

Catalog No	Pack Size
LMA50	50 gms
LMA100	100 gms (1x100 gms)

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