

## Specification

### Agarose MP

**A1091**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1091
<b>Product Name:</b>	Agarose MP
<b>Specifications:</b>	DNases/RNases/Proteases: not detectable Ash: $\leq 0.25 \%$ Electroendoosmosis (EEO): $\leq 0.12$ Moisture: $\leq 7 \%$ Gel point: $36 \pm 1.5^{\circ}\text{C}$ Gel strength (1 %): $\geq 1800 \text{ g/cm}^2$ Gel strength (1.5 %): $\geq 3200 \text{ g/cm}^2$ Melting point: $88 \pm 1.5^{\circ}\text{C}$ Sulfate: $\leq 0.12 \%$
<b>WGK:</b>	nwg
<b>Storage:</b>	RT
<b>CAS:</b>	9012-36-6
<b>EINECS:</b>	232-731-8
<b>CS:</b>	39139000
<b>Comment</b>	<p>Agarose MP is suited for the electrophoresis of proteins and nucleic acids and can be used for a broad range of fragment sizes, just by altering the gel concentration. It is a high gel strength agarose, designed for conventional constant field to 'pulse field gel electrophoresis' (PFGE). It dissolves easily in a microwave and can be used in all buffer systems at working concentrations from 0.4 - 2 %. For the separation of linear DNA fragments with a size of <math>\leq 50 \text{ kb}</math> to 100 bp Agarose MP is the agarose of choice. It has a very low DNA binding capacity and is suited for <b>blotting</b> experiments, <b>analytical</b> and <b>preparative</b> gels.</p>

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### **Bibliography**

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(2)Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning*: A Laboratory Manual, 2nd Edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. (3)Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) 1995 *Current Protocols in Molecular Biology*, Greene Publishing & Wiley-Interscience, New York.