Agarose, Molecular Biology Grade

Description: BIORONs Agarose is a polysaccharide used for electrophoretic separation of nucleic acids, that features rapid gelling, excellent transparency, low background staining and sharp defined bands. The Molecular Biology Grade is ideal for effective blotting or separation of DNA or RNA fragments from 250 bp to 23 kb. It can be used in a range from 0.5 to 5 % with all common electrophoretic buffers but shows best gel strength in a concentration from 0.75 to 2 %.

Storage: + 15 °C - + 25 °C

REF	604001	604005
Agarose, Molecular Biology Grade	**100 g**	**500 g**

Application: Rapid separation of DNA or RNA fragments by gel electrophoresis. Also suitable for PCR products, plasmid preparation and various screening, cloning and blotting methods.

Specifications:

Ash	≤ 0.45 %
Sulfate	≤ 0.15 %
Clarity 1.5 %	≤ 4 NTU
Gel Strengh 1.5 %	≥ 2000 g/cm^2
Gelling Temperature 1.5 %	36 ± 1.5 °C
Melting Temperature 1.5 %	88 ± 1.5 °C
DNase/ RNase activity	not detectable

- TAE and TBE are the two most common buffers for agarose gel electrophoresis.
  1x TAE buffer enhances separation of large DNA fragments because of low ionic strength and low buffering capacity (short run times).
  1x TBE buffer shows a high ionic strength and high buffering capacity and therefore is recommended for long run times with small fragments.
- Do you need agarose for special applications? Please ask BIORON for other agarose types like low melting and preparative or for analysis types like capillary and protein electrophoresis.

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