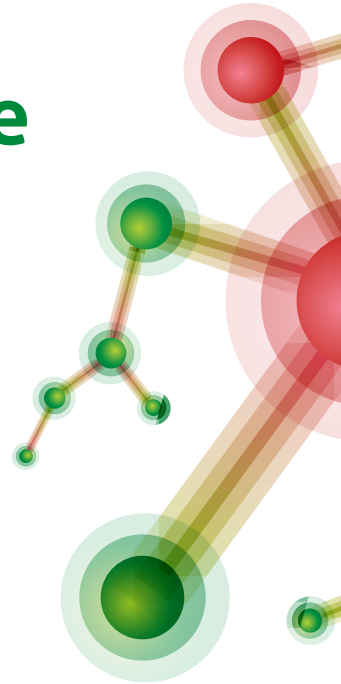
LE Agarose
Standard



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LE Agarose
Standard

LE Agarose Standard is used in particular for the routine electrophoresis of a wide range of DNA fragments (100–25.000 bp).
LE Agarose Standard characterizes high purity, gel strenght, electrophoretic mobility (low EEO value) and low background (high gel clarity).

Features and advantages

- → DNase and RNase free
- → High gel strength (easy-to-handle gels)
- → High electrophoretic mobility (low EEO value)
- → Very low background; low absorption of ethidium bromide
- → High purity (Molecular Biology Grade)
- → No DNA binding

Applications

- → Conventional and preparative electrophoresis of DNA and RNA fragments
- → Ideal for separating a wide range of DNA fragments
- → Purification of DNA fragments from the gel for further molecular biology applications
- → Southern and Northern blotting
- → Immunoelectrophoresis

Additional considerations

For obtaining the best separation of DNA fragments, the following recommendations should be applied:

DNA size range (kbp)	2-25	0.8-10	0.5-7	0.4-6	0.2-4	0.1-2
Percentage of agarose gel (1x TAE buffer)	0.6%	0.8%	1.0%	1.2%	1.5%	2.0%
Percentage of agarose gel (1x TBE buffer)	0.5%	0.7%	0.9%	1.0%	1.3%	1.8%

Usage

Dissolve the appropriate quantity of agarose in 1x TAE/ 1x TBE buffer by heating the suspension in a microwave or water bath. Use caution when handling as the temperature of the solution may be extremely high. Cool the solution to approx. 60°C before pouring.

The detection of nucleic acids in agarose gels can be carried out with ethidium bromide or other commercially available stains for DNA visualization.

LE Agarose Standard

Component	AG41-010	AG41-050
LE Agarose Standard	100 g	500 g

Specification

CAS No.	9012-36-6
Appearance	White powder
EEO	0.08-0.11
Gel strength (1% gel)	≥ 1200 g/cm^2
Gelling point (1.5% gel)	34-37°C
Ash	≤ 0.5%
Moisture	≤ 8%
Sulfate	≤ 0.10%
DNases / RNases	None detected

Storage & shipping

Storage: store at room temperature
Shipping conditions: shipping at ambient temperature

ⓘ For research use only

Expiry
The information on the label

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