



LE-Agarose 1200

Description

LE-Agarose 1200 is a low EEO, high gel strength agarose for analysis of nucleic acid molecules. Typical applications include electrophoretic separation of DNA and RNA, Southern & Northern blotting, and also Immunodiffusion and Ouchterlony of proteins.

Analytical Specifications	
EEO (-m _r)	0.1-0.15
Water Content	≤10%
Sulfate (SO ₄)	0.15-0.2%
Gel Strength (1% gel)	≥1200 g/cm ²
Gelling Point (1.5% gel)	33±1.5°C
Melting Point (1.5% gel)	87±1.5°C

Concentrations for DNA separation

The appropriate agarose concentration depends on the size of the DNA fragments to be separated, the buffer used, and the applied voltage. With IX TAE buffer, the suggested concentrations for DNA sizes in base pairs (bp) follows :

size range (bp)	concentration
800-10000	0.8%
400-8000	1.0%
200-4000	1.5%
100-3000	2.0%