



# LE-AGAROSE

## User Guide

Catalog Number	Pack Size
ZT-AG-100	100 G
ZT-AG-500	500 G

Molecular Biology Grade, %99,  
For Research Use Only  
CAS NO: 9012-36-6

### Content and Storage Condition

Content	Shipping Condition	Storage Condition
LE-AGAROSE	20 -25°C	20-25°C

### Product Description

LE-Agarose is a multi-purpose agarose with high purity and Low EEO, which is produced in a green, original process without using organic solvents, reducing pollution to the environment and the impact on operators and samples. It is obtained from seaweed and contains repeated agarobiose units. During agarose gel formation, the polymers aggregate to form a network with varying pore sizes. This property is used in agarose gel electrophoresis to separate DNA.

### Applications

LE-Agarose is especially suited for analyzing fragments between 0.2 and 15 kb in: Analysis of PCR products  
DNA/RNA gel electrophoresis.  
Examination of restriction endonucleases.  
Digests of plasmid, cosmid, and  $\lambda$  phage DNA.  
Electrophoresis of RNA in, e.g., denaturing gels containing formaldehyde.

### Quality indicators

**Appearance:** Fine, homogeneous white powder.  
**Moisture:**  $\leq 10\%$ .  
**Gel strength (1% gel):**  $\geq 1200$  g/cm<sup>2</sup>.  
**EEO (Electroendosmosis):**  $\leq 0.13$   
**Sulfide (SO42-):**  $\leq 0.15\%$ .

**Solubleness:** colorless clear gel liquid.

**Ash:**  $\leq 0.5\%$ .

**Solidification temperature (1.5% gel):**  
 $36^{\circ}\text{C} \pm 1.5^{\circ}\text{C}$ .

**Thawing temperature (1.5% gel):**  $88^{\circ}\text{C} \pm 1.5^{\circ}\text{C}$ .

**DNase/RNase Assay:** None detected.

**Proteinase Assay:** None detected.

**Purity:** 99%

**Classification:** High Purity Reagents

### Warning

Do not preserve the product when the package is damaged.

