

Your partner in research



All Vivantis biochemicals are of **Molecular Grade**

Vivantis Technologies provides a comprehensive range of premium biochemicals to aid scientists around the world in molecular biology research. After a decade of supplying the research community with quality products, we remain committed to support our valued customers in all aspects, from top notch product quality to warm and efficient customer service.

Vivantis LE Grade Agarose

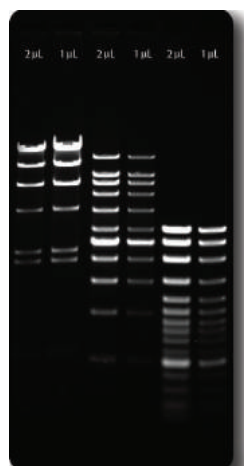


Description

Vivantis LE grade agarose is ideal for routine analysis of nucleic acids by gel electrophoresis and blotting. Each gel sharply resolves DNA and provides consistent resolution from lot-to-lot. This molecular biology grade agarose has no detectable DNase or RNase activity and forms strong gels with low background upon ethidium bromide, SYBR® Green, or GelStar® staining. Due to its low EEO, DNA will have a high electrophoretic mobility. LE grade is also recommended for protein gel electrophoresis in applications such as Ouchterlony and radial immunodiffusion (RID).

Properties

- Gelling temp : $36^{\circ} \pm 1.5^{\circ}\text{C}$
- Melting temp : $\geq 90^{\circ}\text{C}$
- Moisture content : 10%
- Sulfate : 0.15%
- EEO, (-mr) : 0.09 – 0.13
- Gel strength : 1200g/cm²
- RNase/DNase Activity : None detected



Lane 1,2 :Lambda / Hind III DNA Marker (#NM2405)
Lane 3,4 :VC 1kb DNA Ladder (#NL1409)
Lane 5,6 :VC 100bp Plus DNA Ladder (#NL1405)

1.0% Vivantis LE Agarose, 1X TAE Buffer

Tailor made for consistent results

- DNase-free & RNase-free & Protease-free
- Freshly prepared for each order
- Guaranteed consistent positive results
- Ready-to-use, hassle-free
- Sterile & conveniently packaged
- Premium quality with various optimized concentrations & preset pHs



Tris-Borate-EDTA (TBE) Buffer

- Nucleic acid electrophoresis running buffer
- Buffer for choice when running short nucleic acid fragments



TE Buffer

- Solubilize DNA and RNA & protecting from degradation
- Protein and nucleic acid extraction & purification
- Break protein-links in immuno-histochemistry



Tris-Acetate-EDTA Buffer (TAE)

- Nucleic acid electrophoresis running buffer
- Used for agarose and polyacrylamide gels
- Buffer of choice when running long nucleic acid fragments
- Northern blotting buffer



EDTA Buffer

- A ligand and chelating agent
- Used in immunostaining of ethanol-fixed smears
- As a raw material to prepare for other buffers – TAE, TBE, TE, etc



Phosphate Buffered Saline (PBS)

- Tissue and cell culture procedures
- Immuno-histochemical procedures
- Microbiology procedures
- Immunoassays
- Protein dilution



Tris Buffer

- Used in protein electrophoresis & western blotting
- Used in washing procedures in cell cultures
- Used as suspension buffer for biological samples
- As a raw material to prepare for other buffers – TAE, TBE, TE, etc

