

Product Information

Agarose LE, Ultra-Pure Molecular Biology Grade

Catalog number	Unit Size
41028-25G	25 g
41028-100G	100 g
41028-500G	500 g

Storage and Handling

Store at room temperature.

Product Description

Ultra-pure LE Agarose has low electroendosmosis (EEO) for high electrophoretic mobility. This agarose has excellent performance for analytical or preparative nucleic acid electrophoresis and blotting. Each lot is validated for use with Biotium's GelRed®, GelGreen®, and DNAzure® gel stains.

Specifications

Moisture	≤ 10%
Ash	≤ 0.4%
EEO	0.05-0.13
Sulfate	≤ 0.1%
Clarity (1.5% gel)	≤ 3 NTU
Gel strength (1% gel)	≥ 1200 g/cm ²
Gel strength (1.5% gel)	≥ 2500 g/cm ²
Gelling temperature (1.5% agarose)	36 ± 1.5 °C
Melting temperature (1.5% gel)	88 ± 1.5 °C
DNase/RNase activity	None detected
DNA resolution ≥1000 bp	Finely resolved
Gel background	Very low
Performance in GelRed® precast dsDNA staining	Verified
Performance in GelGreen® precast dsDNA staining	Verified
Performance in DNAzure® visible blue dsDNA staining	Verified

Related Products

Catalog number	Product
41006	TBE Buffer, 5X (4L Cubitainer®)
41003	GelRed® Nucleic Acid Gel Stain
41005	GelGreen® Nucleic Acid Gel Stain
41020	DNAzure® Blue Nucleic Acid Gel Stain
41009	6X GelRed® Prestain Loading Buffer with Blue Tracking Dyes
41010	6X GelRed® Prestain Loading Buffer with Orange Tracking Dye
41008	PAGE GelRed® Nucleic Acid Gel Stain for Acrylamide Gels
99962-1	6X DNA Loading Buffer (Blue)
31022	Ready-to-Use 1 kb DNA Ladder
31032	Ready-to-Use 100 bp DNA Ladder
31039	1 kb DNA Ladder in TE Buffer
31040	100 bp DNA Ladder in TE Buffer
31065	RNase-Free Calf Thymus DNA, 1 mg/mL
41024-4L	Water, Ultrapure Molecular Biology Grade (4L Cubitainer®)
40042	Ethidium Bromide, 10 mg/mL in Water
22007	Activated Charcoal Decontamination Bags
31066	AccuGreen™ High Sensitivity dsDNA Quantitation Kit for Qubit®
31069	AccuGreen™ Broad Range dsDNA Quantitation Kit for Qubit®
31028	AccuClear® Ultra High Sensitivity dsDNA Quantitation Kit
31041	Forget-Me-Not™ EvaGreen® qPCR Master Mix (2-Color Tracking)
31043	Forget-Me-Not™ Universal Probe qPCR Master Mix
E90003	Gel-Bright™ LED Gel Illuminator

Please visit our website at www.biotium.com for information on our life science research products, including environmentally friendly EvaGreen® qPCR master mixes, fluorescent CF® dye antibody conjugates and reactive dyes, apoptosis reagents, fluorescent probes, and kits for cell biology research.

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