

Product Information

Agarose LE, Ultra-Pure Molecular Biology Grade

Product List

Cat. No.	Unit Size
41028-25G	25 g
41028-100G	100 g
41028-500G	500 g

Storage and Handling

Store at room temperature. Product is stable for at least 12 months from date of receipt when stored as recommended.

Product Description

Agarose LE, Ultra-Pure 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 (see Related Products).

Table 1. Specifications Data

Specification	Result
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

Cat. No.	Product
41029	GelRed® Agarose LE
41030	GelGreen® Agarose LE
41041, 41042	Precast GelRed® Agarose Gels, 1% Agarose/TAE
41001-41003	GelRed® Nucleic Acid Gel Stain
41004-41005	GelGreen® Nucleic Acid Gel Stain
41020	DNAzure® Blue Nucleic Acid Gel Stain, 100X
41010	6X GelRed® Prestain Loading Buffer with Orange Tracking Dye
41011	GelRed® Prestain Plus 6X DNA Loading Dye
99859, 99962	6X DNA Loading Buffers (Blue or Orange)
41043	EMBER™ Ultra DNA Gel Kit
41044	EMBER™ Ultra RNA Gel Kit
31084, 31085	DNA Ladders, Ready-to-Load
31080, 31081	DNA Ladders in TE Buffer
22031	1X TAE (1L) Buffer Powder Packets
41006	TBE Buffer, 5X
41039	Go-Go™ Fast DNA Gel Running Buffer, 50X
E90005	Gel-Bright™ Laser Diode Gel Illuminator
22007	Activated Charcoal Decontamination Bags
31060	AccuBlue® NextGen dsDNA Quantitation Kit
31006	AccuBlue® High Sensitivity dsDNA Quantitation Kit with DNA Standards
31007	AccuBlue® Broad Range dsDNA Quantitation Kit with DNA Standards
31073	AccuBlue® Broad Range RNA Quantitation Kit
31028	AccuClear® Ultra High Sensitivity dsDNA Quantitation Kit with DNA Standards
31066	AccuGreen™ High Sensitivity dsDNA Quantitation Kit
31069	AccuGreen™ Broad Range dsDNA Quantitation Kit

Please visit our website at www.biotium.com for information on our life science research products, including environmentally friendly EvaGreen® qPCR master mixes, kits for nucleic acid extraction and quantitation, and labeled nucleotides.

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