Agarose Molecular Grade

Shipping: Ambient temperature

Batch No.: See bottle

Catalog numbers

BIO-41026: 100g

BIO-41025: 500g

meridian BIOSCIENCE™

Storage and stability:
The Agarose Molecular Grade is shipped at ambient temperature and should be stored in a cool, dry place.

Expiry
When stored under the recommended conditions and handled correctly, full activity is retained until the expiry date on the outer box label.

Safety precautions:
Please refer to the material safety data sheet for further information.

Quality control specifications:
Agarose is extensively tested for efficiency and contamination prior to release.

Notes:
For research or further manufacturing use only.

Trademarks:
HyperLadder is a trademark of Bioline Reagents Ltd.

Description

Agarose Molecular Grade (DNase/RNase-free) is an extremely pure, high molecular biology grade agarose powder that has been extensively tested for RNase contamination. Agarose Molecular Grade provides high resolution of DNA and RNA separated by electrophoresis and offers consistent resolution from lot to lot.

Features

- DNase/RNase-free
- Excellent value and clarity
- High gel strength

Applications

- DNA/RNA electrophoresis
- Ideal for separating nucleic acids of a wide range of sizes, especially large fragments (>1 kb)

Analytical Specifications:

Appearance:	White
Gel strength of 1.5% (w/v) gel	≥1200 g/cm^2
Melting temperature:	88-90 °C
Gelling temperature:	37 °C ± 2 °C
EEO:	0.05-0.1
Moisture:	≤ 8.5%
Sulfate:	≤ 0.14%
DNase/RNase:	None detected

Associated products

Product Name	Pack Size	Cat. No.
HyperLadder™ 1kb	200 Lanes	BIO-33025
MyTaq™ DNA polymerase	200 Units	BIO-21105
5x DNA Loading Buffer Blue	2 x 1 mL	BIO-37045
EasyLadder I	200 Lanes	BIO-33045

Product citations

1. Fallatah, S. A., *et al. Trop. Biomed*. **36.2,** 390-401 (2019).
2. Nasser, Mai, *et al. Current Chem. Biol.* **13.2,** 140-148(2019).
3. Lalla, K., *et al. Oral Surgery, Oral Ded., Oral Path. & Oral Radiol.* **122.5,** 625-630 (2016).
4. Ansari, S. B.*, et al. African J. Biotechnol*. **9(43),** 7230-35 (2010).
5. Benest, A. V., *et al. Meth. Mol. Biol*. **467,** 251-70 (2009).
6. Kaszimierczak, K. A., *et al. Antimicrob. Agents Chemo*. **52(11),** 4001-09 (2008).
7. Fernandes, J. M. O., *et al. J. Exp. Biol*. **210,** 3461-72 (2007).

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