



Agarose Powder & Tablets

- DNase/RNase-free
- High purity
- Ideal for separation of a wide range of DNA/RNA fragments
- Available as powder or as pre-weighed 0.5g tablets

Molecular Biology Grade Agarose

Bioline Agarose is an extremely pure molecular biology grade powder that has been extensively tested for DNase and RNase contamination. Batch-to-batch reproducibility provides consistently high resolution of DNA and RNA fragments separated by gel-electrophoresis. The high gel strength (>1200g/cm²) means that gels as low as 0.5% (for wide range resolution) are feasible.

This excellent multipurpose agarose exhibits low electroendosmosis (EEO) and is ideal for high resolution of a wide range of DNA and RNA fragments separated by gel electrophoresis, specifically for fragments of about 500bp to 40,000bp depending on the method and the gel concentration (Fig 1).

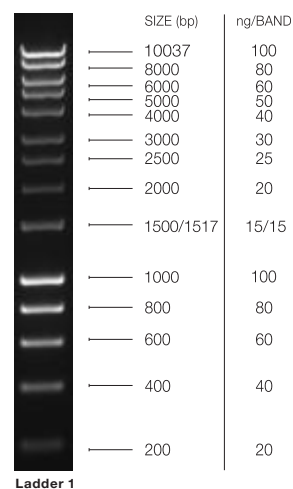


Fig 1. High resolution of DNA and RNA fragments.
5µl Bioline HyperLadder™ 1kb run on a 1% Bioline Agarose gel in TAE.

United Kingdom
Tel: +44 (0)20 8830 5300

Germany
Tel: +49 (0)3371 681 229

USA
Toll Free: 888 257 5155

Australia
Tel: +61 (0)2 9209 4180

www.bioline.com

Singapore
Toll Free: +1800 BIOLINE (2465463)



A Meridian Life Science® Company

Agarose Powder & Tablets

Fast and Convenient Pre-weighed Agarose Tablets

Bioline Agarose Tablets (DNase/RNase-free) are designed for greater convenience than powdered agarose, providing a no-mess environment. The exact formulation of each tablet allows for greater gel-to-gel consistency. Each tablet contains a pre-determined amount of agarose (0.5g agarose per tablet), eliminating the need to weigh out loose agarose powder. Just add the appropriate number of tablets to your buffer, incubate at room temperature for five minutes, heat the solution and then prepare your gel as normal. The separation range is similar to Agarose Molecular Grade.

Agarose Applications

PCR products separation	DNA/RNA recovery in gel
Routine DNA/RNA separation	Pulsed-field electrophoresis
Preparative DNA/RNA	Blotting

Bioline Agarose Specifications

Specification	Agarose, Molecular Grade	Agarose Tablets
Appearance	White crystals or powder	White tablets
Solution	Clear with low insolubles	Clear with low insolubles
Gel strength	$\geq 1220\text{g/cm}^2$	$\geq 1220\text{g/cm}^2$
Electroendosmosis (EEO)	0.06 ± 2 (-m ₁)	0.06 ± 2 (-m ₁)
Melting temperature	$89^\circ\text{C} \pm 1^\circ\text{C}$	$89^\circ\text{C} \pm 1^\circ\text{C}$
Gelling temperature	$37^\circ\text{C} \pm 2^\circ\text{C}$	$37^\circ\text{C} \pm 2^\circ\text{C}$
Moisture content	<8.5%	<8.5%
Sulfate	<0.14%	<0.14%
DNase and RNase activity	None detected	None detected
DNA binding activity	None detected	None detected
Optimal range of separation	~500 to >40,000bp for gels 0.7-3%	~500 to >40,000bp for gels 0.7-3%



Note: HyperLadder is a trademark of Bioline.

Ordering Information

PRODUCT	PACK SIZE	CAT NO.
Agarose, Molecular Grade	100g	BIO-41026
	500g	BIO-41025
Agarose Tablets	600 x 0.5g	BIO-41027

PSGBL0414V2.2

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