

Agarose HR

Molecular Biology Grade

for high resolution of DNA/ PCR fragments < 1000 bp



Description:

An agarose for molecular screening that improves resolution of small DNA fragments and PCR products. ABT has produced Agarose HR for applications that require efficient separation of small DNA fragments and PCR products

Applications:

- Molecular screening.
- High resolution gels for <1000 bp fragments.

Features:

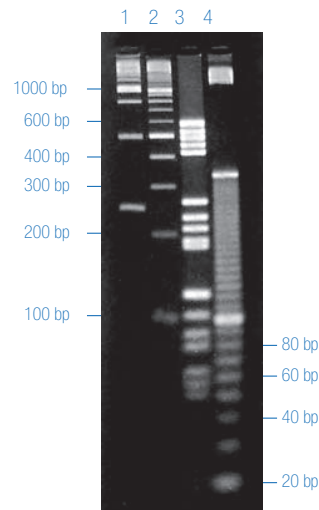
- High resolution of short PCR products and DNA fragments
- Improved clarity of the gel, enhancing visibility
- Better handling than competitive products because of a stronger gel structure and higher gel strength. The chances of gels breaking or cracking when handled are greatly minimized, even with lower concentrations of agarose
- High gel strength allows use in blotting

Storage:

Store in a dry place at 15-25°C

Ordering information:

Cat #	Product	Qty.
A-1280-100	AGAROSE HR	100 g
A-1280-500	AGAROSE HR	500 g



Agarose HR gel, 3% concentration in 1X TAE buffer. Markers: lane 1- 250 bp ladder; lane 2-100 bp ladder; lane 3- molecular weight marker V (Roche); lane 4-10 bp ladder.

Electrophoresis conditions: submarine gel, 2 hours, 4.5 V/cm in 1X TAE buffer.

TECHNICAL SPECIFICATIONS

EEO (Electroendosmosis)	≤ 0.12
SULFATE	$\leq 0.11\%$
GEL STRENGTH (3%)	$\geq 1500 \text{ g/cm}^2$
GELLING TEMPERATURE	$\leq 35.5 \text{ }^\circ\text{C}$
MELTING TEMPERATURE	$\leq 80 \text{ }^\circ\text{C}$
DNAse/ RNAse ACTIVITY	None detected
DNA RESOLUTION $\leq 1000 \text{ bp}$	Finely resolved
GEL BACKGROUND	Very low
DNA BINDING	Very low

