

# 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 offers 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:

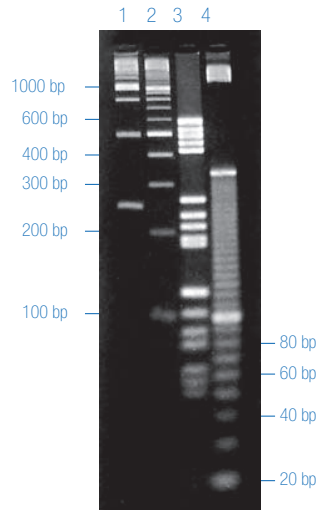
- High resolution of short PCR products and DNA fragments
- Improved clarity of the gel, enhancing visibility
- Better handling than competitive products because of a stronger gel structure and higher gel strength. The chances of gels breaking or cracking when handled are greatly minimized, even with 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                  | ≤ 0.11%                  |
| GEL STRENGTH (3%)        | ≥ 1500 g/cm <sup>2</sup> |
| GELLING TEMPERATURE      | ≤ 35.5 °C                |
| MELTING TEMPERATURE      | ≤ 80 °C                  |
| DNAse/ RNAse ACTIVITY    | None detected            |
| DNA RESOLUTION ≤ 1000 bp | Finely resolved          |
| GEL BACKGROUND           | Very low                 |
| DNA BINDING              | Very low                 |