

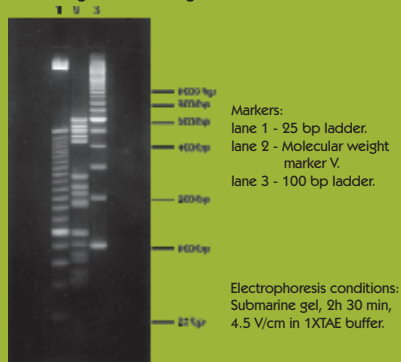
# Speciality Agaroses

for low melting and low base-pair(bp) separations

## Specifications:

Moisture	≤ 7 %
Ash	≤ 0.3 %
EEO	≤ 0.12
Sulfate	≤ 0.1 %
Clarity (3%) (NTU)	≤ 4
Gel strength (3%) (g/cm <sup>2</sup> )	≥ 800
Gelling Temp. (3%)	≤ 35°C
Melting Temp. (3%)	≤ 75°C

3% Agarose Low-6 gel in 1XTAE buffer



## Agarose Low-6

0144412

The Agarose Low-6 is a high quality agarose specially formulated by SRL for molecular screening with an improved efficiency resolution of small DNA fragments and PCR products.

### Features:

- High resolution capacity close to the resolution of polyacrylamide gels.
- Improved clarity of the gel, enhancing visualization, even at high concentrations.
- High gel strength which enables easy handling even when used at lower concentrations.

### Functional Test:

- DNA resolution: bands appear sharp and finely resolved.
- DNase/RNase activity: none detected.
- Gel background : very low after Ethidium Bromide staining.
- DNA binding: very low.

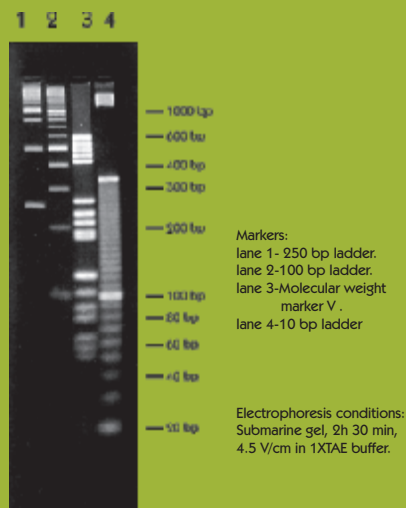
### Ranges of separation:

- 10 – 1200 bp at concentrations between 1.8 –5% in 1X TAE buffer.
- To improve resolution capacity for smaller sizes TBE buffer should be used.
- To achieve the best resolution, Agarose Low-6 gels should be chilled at 4 - 8°C for 30 minutes before use.

## Specifications:

Moisture	≤ 7%
Ash	≤ 0.35%
EEO	≤ 0.12
Sulfate	≤ 0.11%
Concentration	1.5%      3%
Clarity (NTU)	≤ 5
Gel Strength (g/cm <sup>2</sup> )	≥ 600      ≥ 1500
Gelling Temp.	≤ 35.5°C
Melting Temp.	≤ 80°C

Agarose Low-8 gel,  
3% concentration in 1X TAE buffer.



## Agarose Low-8

0144413

An agarose for molecular screening that improves resolution of small DNA fragments and PCR products.

The key to producing the Agarose Low-8 (Molecular Screening) is harvesting the appropriate seaweed at the precise time in its growth cycle. There are also certain modifications in the chemical structure of the polymer during the manufacturing process. SRL has especially developed produced the Agarose Low-8 for applications that require efficient separation of small DNA fragments and PCR products.

### 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 this agarose.
- High gel strength allows use in blotting.

### Functional Test:

- DNA resolution: bands appear sharp and finely resolved.
- DNase/RNase activity: none detected.
- Gel background: very low after Ethidium Bromide staining.
- DNA binding: very low.

### Ranges of separation:

- 1.8% 400 – 1200 bp
- 3.0% 150 – 800 bp
- 4.5% 15 – 400 bp
- These ranges are approximate and have been calculated in 1X TAE buffer.
- To achieve the best resolution of Agarose Low-8 gels, they should be stored at 4° - 8° C for 30 minutes before use.

Available in 25g, 100g, 500g & 1kg pack sizes

For more information and product prices, please contact your local SRL Authorized Stockist or mail us at [info@srlchem.com](mailto:info@srlchem.com)

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