

### Product: Agarose T5, High Resolution

Code: A2131

Grade: Biotechnology

Agarose T5 from Biomatik is a high resolution agarose, for molecular screening that improves resolution of small DNA fragments (less than 1200 bp) and PCR products. Biomatik's T5 Agarose is used for applications that require efficient separation of small DNA fragments and PCR products.

#### FEATURES

High resolution of short PCR products and DNA fragments.

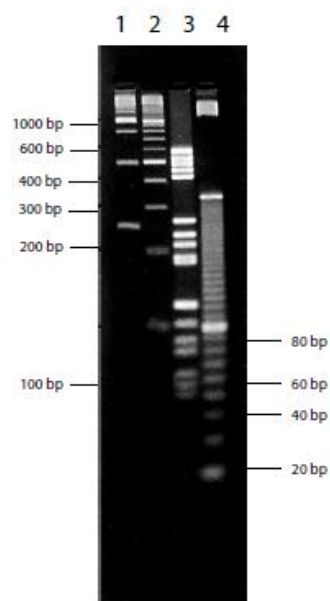
Improved clarity of the gel, enhancing visibility.

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 agarose.

High gel strength allows use in blotting.

#### SPECIFICATIONS & FUNCTIONAL TESTS

Gel Strength 1.5% (g/cm <sup>2</sup> )	≥ 600
Gel Strength 3 % (g/cm <sup>2</sup> )	≥ 1500
Gelling Temperature 1.5 % (°C)	≤ 35.5
Melting Temperature 1.5 % (°C)	≤ 80
EEO	≤ 0.12%
Sulfate	≤ 0.12%
Ash	≤ 0.35%
Moisture	≤ 10%
DNase/ RNase activity	None detected



#### Markers:

Lane 1: 250 bp ladder,

Lane 2: 100 bp ladder,

Lane 3: Molecular weight marker V (Roche)

Lane 4: 10 bp ladder

#### Range 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 A2131 agarose gels, they should be stored at 4° - 8° C for 30 minutes before use.