# AquaGel Agarose HBSB004

AquaGel is an ideal agarose for routine rapid separation of DNA and RNA fragment as well as PCR products , plasmids preparation , and for screening ,cloning and blotting techniques.

## FEATURES :-

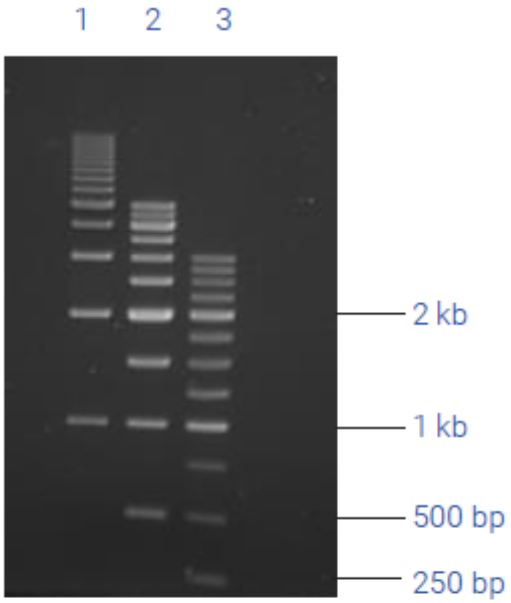
- Easy dissolution and rapid gelling.
- Excellent transparency and low background staining gives clear band visibility.
- Sharp and well defined bands.
- Very low DNA binding.

## Applications :-

- AquaGel agarose has high gel strength even at low concentrations, so use rates are 0,75–2,0%.
- It is effective in blotting and in separations of nucleic acid fragments from 250 bp to 23 Kb.

## SPECIFICATIONS & FUNCTIONAL TESTS :-

| | |
|---|---|
| Moisture: | ≤ 0,10% |
| Ash: | ≤ 0,45% |
| Sulfate: | ≤ 0,15% |
| *EEO: | ≤ 0,16 |
| Clarity (1,5%): | ≤ 4 NTU |
| Gel strength (1,0)%: | ≥ 1000 g/cm2 |
| Gel strength (1,5%): | ≥ 2000 g/cm2 |
| Gelling temperature (1,5%): | 36 ± 1,5 °C |
| Melting temperature (1,5%): | 88 ± 1,5 °C |
| DNase/RNase activity: | None detected |




agarose gel, 1,0% concentration in 1XTAE buffer.

Markers:

- Lane 1 - 1 Kb ladder
- Lane 2 - 500 bp ladder
- Lane 3 - 250 bp ladder