Owi Agarose Standard

Technical Data Sheet

References: 258516 - 258516E

For RESEARCH USE ONLY

SIZE: 500g / 10g

STORAGE: 2-25°C

SHELF-LIFE: Expiration date is indicated on the label.

PRODUCT DESCRIPTION:

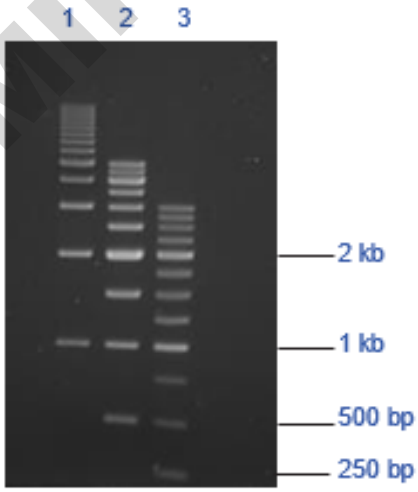
Owi Agarose Standard is an ideal agarose for routine rapid separation of DNA and RNA fragment as well as PCR products, plasmids preparation, and for screening, cloning and blotting techniques.

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:

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



Owi Agarose Standard *gel, 1,0% concentration in 1XTAE buffer.*

Markers:

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

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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

**EEO (electroendosmosis)*

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