

Agarose Tablets

0.5g Agarose Tablets (Standard LE Grade)



Features:

- Eliminates weighing
- Fast dissolving, just two minutes
- Environmentally friendly, free of organic solvents
- Consistent, reproducible gels
- Enhanced resolution and clarity

Specifications:

Gel Strength: $\geq 1200\text{g/cm}^2$ (1%), $\geq 2500\text{g/cm}^2$ (1.5%)
 Gel Temperature: $36^\circ\text{C} \pm 1.5^\circ\text{C}$ (1.5%)
 Melt Temperature: $88^\circ\text{C} \pm 1.5^\circ\text{C}$ (1.5%)
 EEO (-m_p): ≤ 0.13
 Moisture Content: $\leq 10\%$
 Sulfate: $\leq 0.20\%$
 RNase/DNase: None Detected
 Protease/Endonuclease: None Detected
 Store at: Room Temperature

Agarose LE is refined in an advanced process that excludes the use of organic solvents. The result is a cleaner end product with significantly reduced environmental impact. The agarose can be used analyses of nucleic acids from 150bp to 6kpb, protein electrophoresis and various blotting protocols.

The low EEP of the agarose promotes increased electrophoretic mobility, yielding improved resolution and shorter run times. This also allows macromolecules and larger particles (sub-cellular fragments, viruses, etc.) to migrate more freely through the gel matrix. The consistently low EEO reduces band distortion (caused by counterflow) that can result from the presence of excessive sulfate-rich negative ions.

The quick dissolving tablet contains 0.5g (500mg) of Agarose LE, eliminating the hands-on time and inaccuracies normally associated with weighing. Use of the tablet is not only convenient and cleaner, it also provides better consistency and reproducibility gel to gel. Gel preparation is simple - add the desired number of tablets to electrophoresis buffer, allow to sit for two minutes and then heat and pour as usual. The resulting gels are highly transparent, have exceptional thermal stability (ensuring safe and easy handling) and exhibit exceptionally low absorption of chemical staining agents.

Agarose Tablets are supplied in convenient blister packs for safe, clean dispensing.

Gel %	1 Tab	2 Tab	3 Tab
0.8%	63mL	125mL	188mL
1.0%	50mL	100mL	150mL
1.2%	42mL	83mL	125mL
1.3%	38mL	77mL	115mL
1.5%	33mL	67mL	100mL
1.8%	28mL	56mL	83mL
2.0%	25mL	50mL	75mL

Buffer volumes required to achieve desired gel strength.

Cat. No.	Description	UOM
ES48800	Agarose Tablets, 0.5 g	200/pack
ES48802	Agarose Tablets, 0.5 g	1000/pack