

SeaKem® GTG® Agarose

An agarose specifically developed for recovery of active enzymatically responsive DNA

Certificate of Performance

Chemical and Physical Specifications:

1. Gelling temp., 1.5%: $\sqrt{\quad}$ 36°C±1.5°C
2. Moisture: $\sqrt{\quad}$ ≤10%
3. Sulfate: $\sqrt{\quad}$ ≤0.15%
4. Gel Strength, 1%: $\sqrt{\quad}$ ≥1200 g/cm²

Molecular Biology Test Results

1. Ava I-linearized pBR322 DNA is electrophoresed through a 1.0% gel of the test agarose (0.04 M Tris, 0.02 M sodium acetate, 2 mM disodium EDTA, pH 7.8), then recovered by electroelution. The recovered DNA is restricted or ligated with the enzymes below. The percent activity in the last column is relative to a DNA control run in parallel through all steps except agarose gel electrophoresis.
2. DNase Activity: $\sqrt{\quad}$ None detected.
3. RNase Activity: $\sqrt{\quad}$ None detected.

Apparent Enzyme Activity, U/μg DNA				
Enzyme	Units/μg Used	Recovered DNA	Electroeluted Control	Relative Activity
<i>EcoR</i> I	1-3	≥0.40	≥0.40	≥50%
<i>Hind</i> III	1-3	≥0.30	≥0.30	≥50%
T4 Ligase	0.125	≥0.063	≥0.063	≥50%
	0.500	≥0.250	≥0.250	≥50%

For more information contact Technical Service at
(800) 521-0390 or visit our website at www.Lonza.com

Ordering Information

Catalog No	Description	Size
50071	SeaKem® GTG Agarose	25 g
50070	SeaKem® GTG Agarose	125 g
50074	SeaKem® GTG Agarose	500 g

For Laboratory Use.

Derived from Agar.

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