

Agarose Analytical Specifications

	Agarose	Melting Temperature	Gel Strength g/cm ²	Gelling Temperature	EEO (-mr)	Moisture	Sulfate
DNA <1 kb	NuSieve® 3:1	≤90°C at 4%	≥1,400 at 4%	32.5°C – 38°C at 4%	≤0.13	≤10%	≤0.15%
	MetaPhor®	≤75°C at 3%	≥300 at 3%	≤35°C at 3%	≤0.05	≤10%	NA
	NuSieve® GTG®	≤65°C at 4%	≥500 at 4%	≤35°C at 4%	≤0.15	≤10%	≤0.15%
DNA >1 kb	SeaKem® LE	NA	≥1,200 at 1%	36°C ± 1.5°C at 1.5%	0.09 – 0.13	≤10%	≤0.15%
	SeaKem® GTG®	NA	≥1,200 at 1%	36°C ± 1.5°C at 1.5%	0.09 – 0.13	≤10%	≤0.15%
	SeaPlaque®	≤65°C at 1.5%	≥200 at 1%	26°C – 30°C at 1.5%	≤0.10	≤10%	≤0.10%
	SeaPlaque® GTG®	≤65°C at 1.5%	≥200 at 1%	26°C – 30°C at 1.5%	≤0.10	≤10%	≤0.10%
PFGE	SeaKem® Gold	NA	≥1,800 at 1% ≥3,500 at 1.5%	34.5°C – 37.5°C at 1.5%	≤0.05	≤10%	≤0.10%
	InCert®	≤70°C at 1.5%	≥350 at 1%	26°C – 30°C at 1.5%	≤0.10	≤10%	≤0.15%
Identity Testing	I.D.NA®	NA	≥1,300 at 1%	36°C ± 1.5°C at 1.5%	≤0.10	≤10%	≤0.15%
Protein Electrophoresis	SeaKem® ME	NA	≥1,000 at 1%	36°C ± 1.5°C at 1.5%	0.16 – 0.19	≤10%	≤0.20%
	SeaKem® HE	NA	≥650 at 1%	36°C ± 1.5°C at 1.5%	0.23 – 0.26	≤10%	≤0.20%
	SeaKem® HEEO	NA	≥650 at 1%	36°C ± 1.5°C at 1.5%	≥0.30	≤10%	≤0.25%
	SeaKem® HGT	NA	≥800 at 1%	42°C ± 1.5°C at 1.5%	≤0.10	≤10%	≤0.30%
von Willenbrand's Factor Separation	SeaKem® HGT[P]	NA	≥1,000 at 1%	42°C ± 1.5°C at 1.5%	≤0.10	≤10%	≤0.20%
Isoelectric Focusing	IsoGel®	NA	≥500 at 1.5%	35°C – 45°C	Not Detectable	≤10%	≤0.20%
Cell Culture	SeaPrep®	≤50°C at 1%	≥75 at 2%	8°C – 17°C at 0.8%	≤0.05	≤10%	≤0.10%