

Specialty Agarose Product Number	Application	Gel point °C	Gel strength g/cm <sup>2</sup>	Melting temperature °C	EEO	Sulfate %	Comments
<b>Molecular Biology</b>							
A 9539	Routine nucleic acid separation	36	≥1200		0.09-0.13	≤0.15	For routine nucleic acid analysis by electrophoresis or Southern or Northern blotting.
A 5093	Routine nucleic acid separation	36	≥1200		0.09-0.13	≤0.15	Low background when staining with SYBR Green or ethidium bromide
A 9414	Low melting point	26-30	≥200	≤65	≤0.10	≤0.10	For DNA recovery from low melting gels
A 4718	High resolution	≤35	≥300	≤75	≤0.05		For separation of small DNA fragments that differ in size by 2%.
A 7431	Wide range/standard 3:1	32.5-38	≥1400	≤90	≤0.13	≤0.15	Separates DNA fragments 10-1500 bp; gels less fragile compared to A 2790
A 2790	Wide range	≤35	≥500	≤65	≤0.15	≤0.15	Separate low bp DNA, 50-1000.
A 2929	Pulse field running gel	42	≥2400		0.04-0.07	≤0.20	Separation of large DNA (10-2000 KB) by pulsed-field electrophoresis
A 3054	Pulse field sample gel	≤30	≥400	≤70	≤0.10	≤0.15	For preparation of chromosomal DNA samples for pulsed-field electrophoresis
<b>Protein Electrophoresis</b>							
A 4679	Immuno-electrophoresis	36	≥1200	88	0.09-0.13		For immunodiffusion and immunoelectrophoresis. Low
A 9311	Protein electrophoresis	36	≥1000	80	0.16-0.19	≤0.35	
A 5304	Protein electrophoresis	36	≥700	≤90	0.12	≤0.30	
<b>Cell Culture</b>							
A 9045	General cell culture and insect cell culture	<30	≥200	>60	≤0.1	≤0.10	Clear gels, useful for media with heat labile components
A 6560	Plant cell culture	<30	≥200	>60	≤0.1	≤0.10	Clear gels, useful for media with heat labile components

Product Number	Type	Sulfate (%)	Gel Strength		Gel Point		Melting Temp. (°C)	Electroendosmosis (EEO)
			g/cm <sup>2</sup>	at %	°C	at %		
<b>A 0169</b>	I-A	<0.20	>1200 >2500	1 1.5	36 ± 1.5	1.5	87 ± 1.5	0.09-0.13
<b>A 0576</b>	I-B	≤0.12	≥1800 ≥3200	1 1.5	36 ± 1.5	1.5	86 ± 2.0	≤0.12
<b>A 6013</b>	I	≤0.15	≥1200	1	36 ± 1.5	1.5		0.09-0.13
<b>A 9918</b>	II-A	<0.25	>1000 >2000	1 1.5	36 ± 1.5	1.5	87 ± 1.5	0.16-0.19
<b>A 6877</b>	II	≤0.20	≥1000	1	36 ± 1.5	1.5		0.16-0.19
<b>A 9793</b>	III-A	<0.25	>750 >1000	1 1.5	36 ± 1.5	1.5	87 ± 1.5	0.23-0.26
<b>A 6138</b>	III	≤0.20	≥650	1	36 ± 1.5	1.5		0.23-0.26
<b>A 9668</b>	IV-A	<0.30	>700 >1100	1 1.5	36 ± 1.5	1.5	87 ± 1.5	0.30
<b>A 3643</b>	IV	≤0.25	≥650	1	36 ± 1.5	1.5		≥0.30
<b>A 3768</b>	V	≤0.30	≥800	1	42 ± 1.5	1.5		0.10
<b>A 7174</b>	VI-A	≤0.20	>900 >1200	1 1.5	41 ± 1.5	1.5	95 ± 1.5	≤0.14
<b>A 3893</b>	VI	≤0.20	≥1000	1.5	42 ± 1.5	1.5		0.1
<b>A 0701</b>	VII-A	≤0.10	≥250 ≥500	1 1.5	26 ± 2	1.5	≤65.5	≤0.12
<b>A 4018</b>	VII	≤0.10	≥200	1	26-30	1.5	≤65	≤0.1
<b>A 4905</b>	VIII	≤0.20	≥500	1	ND			Not detectable
<b>A 2576</b>	IX-A	≤0.14	≥100 ≥400	1 1.5	≤17	1.5	≤60	≤0.11
<b>A 5030</b>	IX	≤0.10	≥75	2	8-17	0.8	≤50	≤0.05
<b>A 3038</b>	XI	≤0.15	≥500	4	≤35	4	≤65	≤0.15
<b>A 7299</b>	XII	≤0.20	≤500 ≤900	1 1.5	41 ± 1.5	1.5	95 ± 1.5	≤0.14