Agarose selection guide

Type	EEO	Gel strength (g/cm²)	Features: Geling temperature	Features: Melting temperature	Features: Fragment size for analytical separation (bp)	Applications	Packaging: 50 g Cat. No.	50 g € Excl. VAT	100 g Cat. No.	100 g € Excl. VAT	250 g Cat. No.	250 g € Excl. VAT	500 g Cat. No.	500 g € Excl. VAT	1000 g Cat. No.	1000 g € Excl. VAT
D1 Low EEO	0.05 - 0.13	≥ 1200 (1 %)	36± 1,5 °C (1.5 %)	88 ± 1.5 °C (1.5 %)	≥ 1000	High quality, low electroendosmosis agarose for nucleic acid electrophoresis	-	-	777001	NC -	777002	NC -	777003	NC -	777004	NC -
D1 Medium EEO	0.16 - 0.19	≥ 1000 (1 %)				Medium electroendosmosis agarose for counter current electrophoresis, antibodies, serum and immunoelectrophoresis	778603	NC -	777008	NC -	777009	NC -	777010	NC -	777011	NC -
D1 High EEO	0.23 - 0.26	≥ 750 (1 %)				High electroendosmosis agarose for protein separation and countercurrent electrophoresis	778606	NC -	777012	NC -	777013	NC -	777014	NC -	777015	NC -
D1 LE GQT	0.05 - 0.13	≥ 1200 (1%)				Genetic engineering grade agarose tested for in-gel applications	778604	NC -	777005	NC -	777006	NC -	777007	NC -	778508	NC -
D2	≤ 0.14	≥ 900 (1 %)	42 ± 1.5 °C (1.5 %)	87 ± 1.5 °C (1.5 %)	≥ 1000	Agarose with high thermal stability and high melting temperature for derivatisation, cross-linking or coupling of enzymes, antigens or other substances to the gel structure	778607	NC -	777016	NC -	777017	NC -	777018	NC -	778509	NC -
D5	≤ 0.12	≥ 1800 (1 %)	36 ± 1.5 °C (1.5 %)	88 ± 1.5 °C (1.5 %)	≥ 1000	High gel strength agarose for blotting, pulsed field electrophoresis	778602	NC -	777019	NC -	777020	NC -	777021	NC -	778510	NC -
FP DNA	≤ 0.13	≥ 1400 (1 %)	36 ± 1.5 °C (1.5 %)	88 ± 1.5 °C (1.5 %)	≥ 1000	Agarose for applications requiring the best batch-to-batch reproducibility in terms of quality and performance, ideal for forensics and quality control	778601	NC -	777022	NC -	777023	NC -	777024	NC -	778515	NC -
E	NC	≥ 1000 (1 %)	36 ± 1.5 °C (1.5 %)	88 ± 1.5 °C (1.5 %)	250-23 kb	Standard agarose for routine electrophoresis	778565	NC -	778566	NC -	778519	NC -	778567	NC -	777531	NC -
LM	≤ 0.12	≥ 500 (1.5 %)	≤ 24-28 °C (1.5 %)	≤ 65 °C (1.5 %)	≥ 1000	Agarose for high resolution electrophoresis, very low melting and gelling temperature, fragment up to 1000 bp	777025	NC -	777026	NC -	777027	NC -	777028	NC -	778511	NC -
LM GQT	≤ 0.12	≥ 500 (1.5 %)	≤ 24-28 °C (1.5 %)	≤ 65 °C (1.5 %)	≥ 1000	Agarose qualified for in-gel applications (genetic quality), very low melting and gelling temperature, fragments up to 1000 bp	777029	NC -	777030	NC -	777031	NC -	778600	NC -	778516	NC -
LM SIEVE	≤ 0.10	≥ 1000 (4 %)	≤ 35 °C (4 %)	≤ 65 °C (4 %)	≥ 1000	Agarose for high resolution electrophoresis, very low melting and gelling temperature, fragments up to 1000 bp, tested for in-gel applications	777032	NC -	777033	NC -	777034	NC -	777035	NC -	778517	NC -
NOVAGEL GQT	≤ 0.13	≥ 800 (4 %)	≤ 35 °C (4 %)	≤ 65 °C (4 %)	50-1000	Agarose qualified for in-gel applications (genetic engineering grade), very low melting and gelling temperature, fragments from 50 to 1000 bp	777036	NC -	777037	NC -	777038	NC -	777039	NC -	778518	NC -
MS4	≤ 0.12	≥ 500 (3 %)	≤ 31 °C (3 %)	≤ 76 °C (3 %)	150-500	Agarose for high resolution electrophoresis, for the separation of very small nucleic acid fragments (primers) and up to 500 bp	777046	NC -	777047	NC -	777048	NC -	777049	NC -	778514	NC -
MS6	≤ 0.12	≥ 800 (3 %)	≤ 35 °C (3 %)	≤ 75 °C (3 %)	≤ 1000	Agarose for high resolution electrophoresis, small DNA fragments and PCR products	777050	NC -	777051	NC -	777052	NC -	777053	NC -	778507	NC -
MS8	≤ 0.12	≥ 600 (1.5 %)	≤ 35 °C (3 %)	≤ 80 °C (3 %)	≤ 1000	Agarose for high resolution electrophoresis, fragments up to 1000 bp	777054	NC -	777055	NC -	777056	NC -	777057	NC -	778512	NC -
MS12	≤ 0.12	≥ 2000 (1.5 %)	≤ 40.5 °C (4 %)	≤ 93 °C (4 %)	50-1500	Agarose for high resolution electrophoresis, fragments up to 1500 bp	777058	NC -	777059	NC -	777060	NC -	777061	NC -	778513	NC -