

Thermo Scientific Owl A1 Large Gel Systems

Smallest footprint of a large format device, and is ideal for detailed RNA/DNA analysis



- Gel can be cast in varying lengths to help conserve agarose when fewer samples need to be run
- Optional built-in buffer exchange ports allow for buffer recirculation on extended runs
- Programmable power inverter may be used for field reversal electrophoresis
- UVT gel tray has gasketed end gates for leakproof seal without tape
- Built-in leveling ensures flat, uniformly thick gels
- Comb slots allow two, three or four sample sets of equal lengths to be run on the same gel
- Microwell-format combs provide fast, error-free sample loading with a multichannel pipetter
- Samples may be loaded directly from a 96-well plate, 8 or 12 at a time

Includes: Buffer chamber with three-point leveling base, SuperSafe® lid with attached power supply leads, UVT gel tray, gasketed end gates, three combs (12, 16 and 20-well), 1.5mm thick
Warranty*: Three years
Certifications: CE marked

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
A1	Large	25 × 13cm	37.5 × 21.5 × 11cm (14.8 × 8.5 × 4.3in.)	1.6L	8 to 150
A1-BP	Large, w/buffer exchange ports	25 × 13cm	37.5 × 21.5 × 11cm (14.8 × 8.5 × 4.3in.)	1.6L	8 to 150

Thermo Scientific Owl A1 Large Gel System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage
- Unique electrode placement allows this gel to be run quickly without compromising the resolution
- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)
A1-UVT	UVT gel tray with gasketed end gates
A1-GK	Replacement gaskets (1 pair)
A1-EG	Replacement end gates (1 pair)

Thermo Scientific Owl Leveling Platform



- Three-point leveling platform ensures flat casting and running surface
- Includes bubble level

Cat. No.	Type
BBL-1	Bubble Level

Thermo Scientific Owl Casting Dams



- Seal agarose on contact, eliminating the need for tape
- Do not attach to gel tray, enabling gels of any length to be poured
- Easily handled and maneuvered using knob or finger depressions
- High-quality aluminum dam blocks off a portion of UVT gel tray, allowing shorter gels to be cast and run in one device

Cat. No.	Description
DAM-13	Chameleon casting dam; 13cmW

Thermo Scientific Owl A1 Large Gel Electrophoresis System Combs

Cat. No.†	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	1.0cm gel thickness
A1-8C	Standard 8-tooth comb	1.0mm / 13.9mm	10µL	36µL	63µL	89µL
A1-8D	Standard 8-tooth comb	1.5mm / 13.9mm	16µL	55µL	95µL	133µL
A1-12C	Standard 12-tooth comb	1.0mm / 8.7mm	7µL	23µL	39µL	55µL
A1-12D	Standard 12-tooth comb	1.5mm / 8.7mm	10µL	34µL	59µL	83µL
A1-16C	Standard 16-tooth comb	1.0mm / 6.1mm	5µL	16µL	27µL	39µL
A1-16D	Standard 16-tooth comb	1.5mm / 6.1mm	7µL	24µL	41µL	58µL
A1-20C	Standard 20-tooth comb	1.0mm / 4.5mm	3µL	12µL	20µL	29µL
A1-20D	Standard 20-tooth comb	1.5mm / 4.5mm	5µL	18µL	30µL	43µL
A1-24C	Standard 24-tooth comb	1.0mm / 3.5mm	3µL	9µL	16µL	22µL
A1-24D	Standard 24-tooth comb	1.5mm / 3.5mm	4µL	14µL	24µL	33µL
A1-MTC‡	Micro well 14 (1X) tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
A1-MTD‡	Micro well 14 (1X) tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
A1-RL-9C‡	Rapid load 9 (1X) tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
A1-RL-9D‡	Rapid load 9 (1X) tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
A1-RL-25C‡	Rapid load 25 (2X) tooth comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
A1-RL-25D‡	Rapid load 25 (2X) tooth comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
A1-PREP	Prep 2-tooth comb	1.5mm / 117 / 5mm	130 / 6µL	455 / 20µL	775 / 34µL	1100 / 48µL
A1-WALL	Wall 1-tooth comb	1.5mm / 130mm	—	—	—	—

† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.

‡ 8 and 12-channel pipette format (1X) and (2X) combs.