

Thermo Scientific Owl A2 Large Gel Systems

Ideal for detailed RNA/DNA analysis and handle high throughput with consistent, reliable results



- 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
- 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
- Offers the greatest variety of comb options

Includes: Buffer chamber with three-point leveling base, SuperSafe® lid with attached power supply leads, UVT gel tray, gasketed end gates, three combs (16, 24 and 36-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
A2	Large	25 × 20cm	37.5 × 32.5 × 10.5cm (14.8 × 12.8 × 4.1in.)	2.3L	8 to 432
A2-BP	Large, w/buffer exchange ports	25 × 20cm	37.5 × 32.5 × 10.5cm (14.8 × 12.8 × 4.1in.)	2.3L	8 to 432

Thermo Scientific Owl A2 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

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (includes one black and one red lead)
A2-UVT	UVT gel tray with gasketed end gates
A2-GK	Replacement gaskets (1 pair)
A2-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-20	Chameleon casting dam; 20cmW

Thermo Scientific Owl 24-slot Rapid Load UVT Gel Trays

- Enable multiple sample loading

Cat. No.	Description
A2-RL-UVT	24-slot rapid load UVT gel tray with gasketed end gates
A2-RL-12	24-slot rapid load UVT gel tray with (12) 18-well combs
A2-RL-24	24-slot rapid load UVT gel tray with (24) 18-well combs

Thermo Scientific Owl A2 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
A2-8C	Standard 8-tooth comb	1.0mm / 22.7mm	17µL	59µL	102µL	144µL
A2-8D	Standard 8-tooth comb	1.5mm / 22.7mm	25µL	89µL	153µL	217µL
A2-12C	Standard 12-tooth comb	1.0mm / 14.5mm	11µL	38µL	65µL	92µL
A2-12D	Standard 12-tooth comb	1.5mm / 14.5mm	16µL	57µL	98µL	138µL
A2-16C	Standard 16-tooth comb	1.0mm / 10.5mm	8µL	27µL	47µL	67µL
A2-16D	Standard 16-tooth comb	1.5mm / 10.5mm	12µL	41µL	70µL	100µL
A2-20C	Standard 20-tooth comb	1.0mm / 8.0mm	6µL	21µL	36µL	51µL
A2-20D	Standard 20-tooth comb	1.5mm / 8.0mm	9µL	32µL	54µL	77µL
A2-24C	Standard 24-tooth comb	1.0mm / 6.5mm	5µL	17µL	29µL	41µL
A2-24D	Standard 24-tooth comb	1.5mm / 6.5mm	7µL	25µL	43µL	61µL
A2-28C	Standard 28-tooth comb	1.0mm / 5.0mm	4µL	14µL	23µL	33µL
A2-28D	Standard 28-tooth comb	1.5mm / 5.0mm	6µL	20µL	35µL	50µL
A2-32C	Standard 32-tooth comb	1.0mm / 4.0mm	3µL	11µL	19µL	27µL
A2-32D	Standard 32-tooth comb	1.5mm / 4.0mm	5µL	17µL	29µL	41µL
A2-36C	Standard 36-tooth comb	1.0mm / 3.5mm	3µL	10µL	17µL	24µL
A2-36D	Standard 36-tooth comb	1.5mm / 3.5mm	4µL	15µL	25µL	35µL
A2-MTC‡	Micro well 21 (1X)-tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
A2-MTD‡	Micro well 21 (1X)-tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
A2-MT2C‡	Micro well 42 (2X)-tooth comb	1.0mm / 2.7mm	2µL	7µL	12µL	17µL
A2-MT2D‡	Micro well 42 (2X)-tooth comb	1.5mm / 2.7mm	3µL	11µL	18µL	26µL
A2-RL-18D‡	Rapid Load 18 (1X)-tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
A2-PREP	Prep comb with 2 teeth	1.5mm / 187 / 5mm	211 / 5.5µL	736 / 20µL	1263 / 34µL	1789 / 48µL
A2-WALL	Wall comb with 1 tooth	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.