

## Thermo Scientific Owl A5 Large Gel System

Features built-in recirculation, and are ideal for long runs, multiple sample sets or RNA gels



- Prevent the formation of pH and ionic gradients
- Provide high resolution and uniform, reproducible results
- Deliver clear results for samples run over long time periods
- Do not require external pumps, tubing or stir bars, because recirculation system is built into buffer chamber
- Eliminate uneven migration, band distortion or disassociation of pH-dependent glyoxylated RNA molecules that can result when ionic depletion occurs

**Includes:** Large gel system that consists of buffer chamber with three-point leveling base, Supersafe lid with attached power supply leads, UVT gel tray with gasketed end gates, as well as 16-, 24-, and 36-well, 1.5mm thick combs.  
**Warranty<sup>†</sup>:** Three years

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>A5</b>	Large	25 × 20cm	37.5 × 32.5 × 15cm (14.8 × 12.8 × 5.9in.)	2.0L	8 to 432

### Thermo Scientific Owl A5 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
- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape

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

### Thermo Scientific Owl 24-slot Rapid Load UVT Gel Trays

- Enable multiple sample loading

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

### Thermo Scientific Owl A5 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
<b>A2-8C</b>	Standard 8-tooth comb	1.0mm / 22.7mm	17µL	59µL	102µL	144µL
<b>A2-8D</b>	Standard 8-tooth comb	1.5mm / 22.7mm	25µL	89µL	153µL	217µL
<b>A2-12C</b>	Standard 12-tooth comb	1.0mm / 14.5mm	11µL	38µL	65µL	92µL
<b>A2-12D</b>	Standard 12-tooth comb	1.5mm / 14.5mm	16µL	57µL	98µL	138µL
<b>A2-16C</b>	Standard 16-tooth comb	1.0mm / 10.5mm	8µL	27µL	47µL	67µL
<b>A2-16D</b>	Standard 16-tooth comb	1.5mm / 10.5mm	12µL	41µL	70µL	100µL
<b>A2-20C</b>	Standard 20-tooth comb	1.0mm / 8.0mm	6µL	21µL	36µL	51µL
<b>A2-20D</b>	Standard 20-tooth comb	1.5mm / 8.0mm	9µL	32µL	54µL	77µL
<b>A2-24C</b>	Standard 24-tooth comb	1.0mm / 6.5mm	5µL	17µL	29µL	41µL
<b>A2-24D</b>	Standard 24-tooth comb	1.5mm / 6.5mm	7µL	25µL	43µL	61µL
<b>A2-28C</b>	Standard 28-tooth comb	1.0mm / 5.0mm	4µL	14µL	23µL	33µL
<b>A2-28D</b>	Standard 28-tooth comb	1.5mm / 5.0mm	6µL	20µL	35µL	50µL
<b>A2-32C</b>	Standard 32-tooth comb	1.0mm / 4.0mm	3µL	11µL	19µL	27µL
<b>A2-32D</b>	Standard 32-tooth comb	1.5mm / 4.0mm	5µL	17µL	29µL	41µL
<b>A2-36C</b>	Standard 36-tooth comb	1.0mm / 3.5mm	3µL	10µL	17µL	24µL
<b>A2-36D</b>	Standard 36-tooth comb	1.5mm / 3.5mm	4µL	15µL	25µL	35µL
<b>A2-MTC‡</b>	Micro well 21 (1X)-tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>A2-MTD‡</b>	Micro well 21 (1X)-tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>A2-MT2C‡</b>	Micro well 42 (2X)-tooth comb	1.0mm / 2.7mm	2µL	7µL	12µL	17µL
<b>A2-MT2D‡</b>	Micro well 42 (2X)-tooth comb	1.5mm / 2.7mm	3µL	11µL	18µL	26µL
<b>A2-RL-18D‡</b>	Rapid Load 18 (1X)-tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>A2-PREP</b>	Prep comb with 2 teeth	1.5mm / 187 / 5mm	211 / 5.5µL	736 / 20µL	1263 / 34µL	1789 / 48µL
<b>A2-WALL</b>	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.