

# Electrophoresis Systems



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**Thermo**  
SCIENTIFIC

## Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis Systems

**Ideal size for every lab to provide flat, even banding patterns and consistent results with less hassle**



- Perfect size to determine molecular weight ranges of PCR fragments or larger sized DNA molecules
- All in one design allows the option of casting and running a gel in the buffer chamber, eliminating the need for additional equipment. Two comb slots on gel tray double sample capacity by doubling number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands
- Feature leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required
- Run from 5 to 24 samples in 15 minutes

**Ordering Information:** Available with optional buffer exchange ports (B1A-BP) for use with an external recirculation pump.

**Includes:** Main buffer chamber, SuperSafe® lid with attached power supply leads, EasyCast gasketed UVT gel tray, two double-sided combs: 6 & 10 well, 1.0/1.5mm thick

**Warranty\*:** Three years

**Certifications:** CE marked

Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>B1A</b>	EasyCast	Mini	8 x 7cm	16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75in.)	400mL	5 to 24
<b>B1A-BP</b>	EasyCast w/Buffer exchange ports	Mini	8 x 7cm	16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75in.)	400mL	5 to 24

### Thermo Scientific Owl EasyCast B1A Mini 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
<b>PSL-5</b>	Power supply leads, 3 ft. (includes One black and one red lead)
<b>B1A-UVT</b>	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs (B2-RL-9D)
<b>B1A-GK</b>	Replacement gaskets (1 pair)
<b>B1A-CST</b>	External caster (trays & combs not included)



### Thermo Scientific Owl Leveling Platform

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

Cat. No.	Description	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

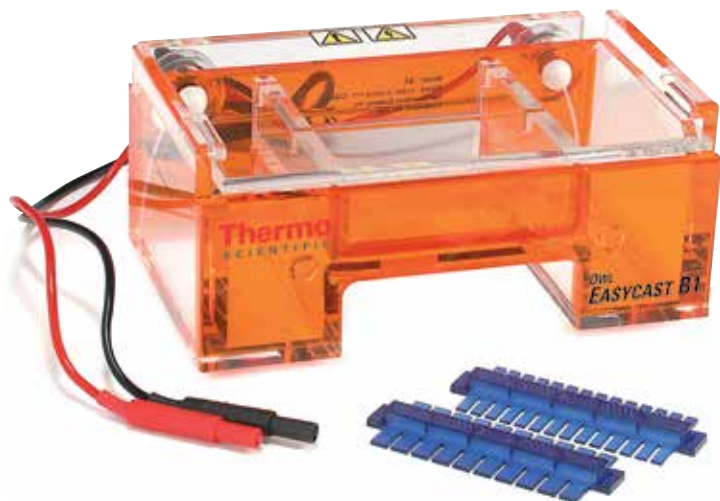
### Thermo Scientific Owl EasyCast B1A Mini Gel Electrophoresis System Combs

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>B1A-5C</b>	Standard comb; 5 teeth	1.0mm / 11.3mm	8µL	30µL	51µL	72µL
<b>B1A-5D</b>	Standard comb; 5 teeth	1.5mm / 11.3mm	13µL	44µL	76µL	108µL
<b>B1A-6</b>	Double-sided comb; 6 teeth	1.0 / 1.5mm / 9.1 / 9.1mm	7 / 10µL	24 / 36µL	41 / 61µL	58 / 87µL
<b>B1A-8</b>	Double-sided comb; 8 teeth	1.0 / 1.5mm / 6.4 / 6.4mm	5 / 7µL	17 / 25µL	29 / 43µL	41 / 61µL
<b>B1A-10</b>	Double-sided comb; 10 teeth	1.0 / 1.5mm / 4.8 / 4.8mm	4 / 5 µL	13 / 19µL	21 / 32µL	30 / 46µL
<b>B1A-12</b>	Double-sided comb; 12 teeth	1.0 / 1.5mm / 3.7 / 3.7mm	3 / 4µL	10 / 14µL	16 / 25µL	23 / 35µL
<b>B1A-PREP</b>	Prep comb; 2 teeth	1.5mm / 57 / 5 mm	64 / 6µL	225 / 19µL	385 / 32µL	550 / 46µL

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

## Thermo Scientific Owl EasyCast B1 Mini Gel Electrophoresis Systems

**Durability and ease of use makes this the perfect choice for students and high volume researchers**



- Economical enough for every researcher to have one at their workstation
- Leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required
- Offers a wide range of combs
- Two comb slots on gel tray double sample capacity by doubling number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands

**Ordering Information:** Available with optional buffer exchange ports, (B1-BP), for use with an external recirculation pump. Please order using Cat. No. B1 when ordering the EasyCast system without buffer exchange ports.

**Includes:** Main buffer chamber, SuperSafe\* lid with attached power supply leads, EasyCast Gasketed UVT gel tray, two Combs: 10 & 14 Well, Double-sided, 1.0/1.5mm thick

**Warranty<sup>†</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Description	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>B1</b>	EasyCast	Mini	11 x 9cm	22 x 15 x 9.5cm (8.63 x 5.88 x 3.75in.)	600mL	5 to 34
<b>B1-BP</b>	EasyCast w/buffer exchange ports	Mini	11 x 9cm	22 x 15 x 9.5cm (8.63 x 5.88 x 3.75in.)	600mL	5 to 34

### Thermo Scientific Owl EasyCast B1 Mini 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
<b>PSL-5</b>	Power supply leads, 3 ft. (includes one black and one red lead)
<b>B1-UVT</b>	Gasketed UVT Gel Tray
<b>B1-GK</b>	GK Replacement Gaskets (1 pair)
<b>B1-CST</b>	CST External Caster (trays and combs not included)

## Thermo Scientific Owl Leveling Platform



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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

## Thermo Scientific Owl EasyCast B1 Mini 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>B1-5C</b>	Standard 5-tooth comb	1.0mm / 15.4mm	12µL	40µL	69µL	98µL
<b>B1-5D</b>	Standard 5-tooth comb	1.5mm / 15.4mm	17µL	61µL	104µL	147µL
<b>B1-8C</b>	Standard 8-tooth comb	1.0mm / 9.0mm	7µL	24µL	40µL	57µL
<b>B1-8D</b>	Standard 8-tooth comb	1.5mm / 9.0mm	10µL	35µL	61µL	86µL
<b>B1-10</b>	Double-sided 10 tooth comb	1.0 / 1.5mm / 6.8 / 6.8mm	5 / 8µL	18 / 27µL	31 / 46µL	43 / 65µL
<b>B1-12C</b>	Standard 12 tooth comb	1.0mm / 5.4mm	4µL	14µL	24µL	34µL
<b>B1-12D</b>	Standard 12 tooth comb	1.5mm / 5.4mm	6µL	21µL	36µL	51µL
<b>B1-14</b>	Double-sided 14 tooth comb	1.0 / 1.5mm / 4.4 / 4.4mm	3 / 5µL	11 / 17µL	20 / 29µL	28 / 42µL
<b>B1-RL-9C‡</b>	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>B1-RL-9D‡</b>	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>B1-RL-17C‡</b>	Rapid-load 17 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
<b>B1-RL-17D‡</b>	Rapid-load 17 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
<b>B1-PREP</b>	Prep comb	1.5mm / 78 / 5mm	90 / 6µL	310 / 19µL	525 / 32µL	750 / 46µL

† 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.

## Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis Systems

### Outstanding flexibility in a small footprint



- Our most popular system with simple to use casting method, and multiple comb and tray options
- Leakproof casting allows a gel to be cast and run in the same chamber with no tape or additional parts required.
- Longer gel length and the 2 comb slots provide the flexibility of running 8 to 48 samples on 1 gel
- Optional rapid load tray can increase the maximum number of samples to 108 in an 8 or 12 multichannel pipette format.
- 2 comb slots on the U.V. Transmissible (UVT) gel tray double sample capacity by doubling the number of sample wells
- UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands

**Ordering Information:** Available with optional buffer exchange ports (B2-BP) for use with an external recirculation pump.

**Includes:** Buffer chamber, SuperSafe® lid with attached power supply leads, EasyCast gasketed U.V. Transmissible (UVT) gel tray, 2 combs: 12 & 20 well, double-sided, 1.0/1.5 mm thick.

**Warranty:** Three years

**Certifications:** CE marked

Cat. No.	Description	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>B2</b>	EasyCast	Mini	14 × 12cm	24.5 × 18 × 9.5cm (9.63 × 7.06 × 3.75in.)	800mL	8 to 48
<b>B2-BP</b>	EasyCast w/buffer exchange ports	Mini	14 × 12cm	24.5 × 18 × 9.5cm (9.63 × 7.06 × 3.75in.)	800mL	8 to 48

### Thermo Scientific Owl EasyCast Mini 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
<b>PSL-5</b>	Power supply leads, 3 ft. (includes one black and one red lead)
<b>B2-UVT</b>	EasyCast gasketed UVT gel tray
<b>B2-GK</b>	Replacement gaskets (1 pair)

### Thermo Scientific Owl EasyCast B2 Mini Gel System Accessories

Cat. No.	Description
<b>B2-RL-UVT</b>	EasyCast gasketed rapid load UVT gel tray with 12 slots
<b>B2-RL</b>	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs, B2-RL-9D
<b>B2-CST</b>	External caster for casting up to 3 gels at once (trays & combs not included)

### Thermo Scientific Owl Leveling Platform



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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

### Thermo Scientific Owl EasyCast B2 Mini 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>B2-8C</b>	Standard 8-tooth comb	1.0mm / 12.5mm	9µL	33µL	56µL	80µL
<b>B2-8D</b>	Standard 8-tooth comb	1.5mm / 12.5mm	14µL	49µL	84µL	120µL
<b>B2-12</b>	Double-sided 12 tooth comb	1.0 & 1.5mm / 7.2mm	5 / 8 µL	18 / 28µL	32 / 49µL	46 / 69µL
<b>B2-16</b>	Double-sided 16 tooth comb	1.0 & 1.5mm / 5.4mm	4 / 6µL	14 / 21µL	24 / 36µL	34 / 52µL
<b>B2-20</b>	Double-sided 20 tooth comb	1.0 & 1.5mm / 3.9mm	3 / 4µL	10 / 15µL	18 / 26µL	25 / 37µL
<b>B2-24</b>	Double-sided 24 tooth comb	1.0 & 1.5mm / 3.0mm	2 / 3µL	8 / 12µL	14 / 20µL	19 / 29µL
<b>B2-RL-9C‡</b>	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>B2-RL-9D‡</b>	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>B2-RL-25C‡</b>	Rapid-load 25 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
<b>B2-RL-25D‡</b>	Rapid-load 25 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
<b>B2-PREP</b>	Prep comb w/2 teeth	1.5mm / 106 / 5	120 / 5.5µL	415 / 20µL	710 / 34µL	1000 / 48µL
<b>B2-WALL</b>	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—

† 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.

## Thermo Scientific Owl EasyCast B3 Gel System with Built-In Recirculation

**Built-in Recirculation is 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
- Does 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:** Mini gel system that consists of buffer chamber, SuperSafe<sup>®</sup> lid with attached power supply leads, EasyCast<sup>®</sup> gasketed UVT gel tray, as well as 12- and 20-well, double-sided 1.0/1.5mm thick combs.

**Warranty<sup>†</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Description	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>B3</b>	EasyCast	Mini	14 × 12cm	25 × 18 × 12cm (9.75 × 7 × 4.72in.)	1000mL	8 to 50

### Thermo Scientific Owl EasyCast Mini 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
<b>PSL-5</b>	Power supply leads, 3 ft. (includes one black and one red lead)
<b>B2-UVT</b>	EasyCast gasketed UVT gel tray
<b>B2-GK</b>	Replacement gaskets (1 pair)

### Thermo Scientific Owl EasyCast Mini Gel System Accessories

Cat. No.	Description
<b>B2-RL-UVT</b>	EasyCast gasketed rapid load UVT gel tray with 12 slots
<b>B2-RL</b>	EasyCast gasketed rapid load UVT gel tray with 12 slots and 12 rapid load combs
<b>B2-CST</b>	External caster (trays & combs not included)



### Thermo Scientific Owl Leveling Platform

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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

### Thermo Scientific Owl EasyCast B3 Mini 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>B2-8C</b>	Standard 8-tooth comb	1.0mm / 12.5mm	9µL	33µL	56µL	80µL
<b>B2-8D</b>	Standard 8-tooth comb	1.5mm / 12.5mm	14µL	49µL	84µL	120µL
<b>B2-12</b>	Double-sided 12 tooth comb	1.0 & 1.5mm / 7.2mm	5 / 8 µL	18 / 28µL	32 / 49µL	46 / 69µL
<b>B2-16</b>	Double-sided 16 tooth comb	1.0 & 1.5mm / 5.4mm	4 / 6µL	14 / 21µL	24 / 36µL	34 / 52µL
<b>B2-20</b>	Double-sided 20 tooth comb	1.0 & 1.5mm / 3.9mm	3 / 4µL	10 / 15µL	18 / 26µL	25 / 37µL
<b>B2-24</b>	Double-sided 24 tooth comb	1.0 & 1.5mm / 3.0mm	2 / 3µL	8 / 12µL	14 / 20µL	19 / 29µL
<b>B2-RL-9C‡</b>	Rapid-load 9 tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>B2-RL-9D‡</b>	Rapid-load 9 tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>B2-RL-25C‡</b>	Rapid-load 25 tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
<b>B2-RL-25D‡</b>	Rapid-load 25 tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
<b>B2-PREP</b>	Prep comb w/2 teeth	1.5mm / 106 / 5	120 / 5.5µL	415 / 20µL	710 / 34µL	1000 / 48µL
<b>B2-WALL</b>	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—
<b>B2-WALL</b>	Wall comb w/1 tooth	1.5mm / 120	—	—	—	—

† 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.



## Thermo Scientific Owl D2 Wide-Gel Electrophoresis Systems

Run from 10 to 80 samples on one gel



- Wide gel size allows 15 or 30 samples to be loaded per row with a micro well comb
- Using special combs and a multichannel pipetter, samples may be loaded directly from a 96-well plate, 8 or 12 at a time
- Excellent for screening PCR samples or routine DNA fragment analysis
- Small footprint saves space on lab bench
- Incorporates EasyCast\* casting design with external caster — gel tray is fitted with gasket, allowing it to fit snugly into caster and providing a leakproof seal without tape
- Electrode placement allows gel to be run quickly without compromising resolution

**Includes:** Buffer chamber, SuperSafe\* lid with attached power supply leads, EasyCast gasketed UVT gel tray, external multiple gel caster, four combs (two 30-well and two 40-well, 1.5mm thick).  
**Warranty\*:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>D2</b>	Wide	14.4 x 10.2cm	19 x 20 x 10cm (7.38 x 7.75 x 4in.)	600mL	10 to 80
<b>D2-BP</b>	Wide w/buffer exchange ports	14.4 x 10.2cm	19 x 20 x 10cm (7.38 x 7.75 x 4in.)	600mL	10 to 80

### Thermo Scientific Owl D2 Wide-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
- Comb slots are positioned so you can arrange up to 12 sample sets on the same gel

Cat. No.	Description
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>D2-UVT</b>	EasyCast gasketed UVT gel tray
<b>D2-GK</b>	Replacement gaskets (1 pair)
<b>D2-CST</b>	External caster (no trays/combs)

## Thermo Scientific Owl Leveling Platform



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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

## Thermo Scientific Owl D2 Wide-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>D1-10C</b>	Standard 10-tooth comb	1.0mm / 12.2mm	9µL	32µL	55µL	78µL
<b>D1-10D</b>	Standard 10-tooth comb	1.5mm / 12.2mm	14µL	48µL	82µL	117µL
<b>D1-20C</b>	Standard 20-tooth comb	1.0mm / 5.2mm	4µL	14µL	23µL	33µL
<b>D1-20D</b>	Standard 20-tooth comb	1.5mm / 5.2mm	6µL	20µL	35µL	50µL
<b>D1-30C‡</b>	Micro well 30-tooth (2X) comb	1.0mm / 2.7mm	5µL	19µL	32µL	46µL
<b>D1-30D‡</b>	Micro well 30-tooth (2X) comb	1.5mm / 2.7mm	8µL	28µL	49µL	69µL
<b>D1-40C</b>	Standard 40-tooth comb	1.0mm / 1.7mm	1µL	4µL	8µL	11µL
<b>D1-40D</b>	Standard 40-tooth comb	1.5mm / 1.7mm	2µL	7µL	11µL	16µL
<b>D1-MTC‡</b>	Micro well 15-tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>D1-MTD‡</b>	Micro well 15-tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>D2-RL-9C‡</b>	Rapid load 9-tooth (1X) comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>D2-RL-9D‡</b>	Rapid load 9-tooth (1X) comb	1.5mm / 7.2mm	8µL	28µL	48µL	69µL
<b>D2-RL-25C‡</b>	Rapid load 25-tooth (2X) comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
<b>D2-RL-25D‡</b>	Rapid load 25-tooth (2X) comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL

† 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.

## Thermo Scientific Owl D3-14 Horizontal Electrophoresis System

Ideal for screening PCR products, plasmid preps, restriction mapping and cloning



- System screens 25 to 200 samples on a single agarose gel in less than 30 minutes, producing clear, tight banding patterns with no “smiling”
- With special combs and a multichannel pipetter, samples are loaded directly from a 96-well plate, 8 or 12 at a time
- Incorporates our Owl™ EasyCast\* casting design with external caster — gel tray is fitted with gasket, allowing it to fit snugly into caster and providing a leakproof seal without tape
- Sample loading with multichannel pipetter speeds up transfer
- Electrode placement allows gel to be run quickly without compromising resolution
- Bubble level ensures casting of flat, uniformly thick gels

**Includes:** Buffer chamber, SuperSafe\* lid with attached power cords, EasyCast\* gasketed UVT gel tray, external caster, four combs (50 micro 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
<b>D3-14</b>	Wide	14 × 23cm	30 × 27 × 11cm (11.8 × 10.6 × 4.3in.)	800mL	25 to 200

### Thermo Scientific Owl D3-14 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
- Comb slots are positioned so you can arrange up to 12 sample sets on the same gel

Cat. No.	Description
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>D3-UVT-14</b>	EasyCast* gasketed UVT Gel Tray
<b>D3-GK</b>	Replacement gaskets (1 pair)
<b>D3-CST-14</b>	External caster (no trays/combs)



### Thermo Scientific Owl Leveling Platform

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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm



### 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-23</b>	Chameleon casting dam; 23cmW

### Thermo Scientific Owl D3-14 Horizontal 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>D3-MTC‡</b>	Micro well 25 (1X)-tooth comb	1.0mm / 7.5mm	6µL	20µL	34µL	48µL
<b>D3-MTD‡</b>	Micro well 25 (1X)-tooth comb	1.5mm / 7.5mm	8µL	30µL	51µL	72µL
<b>D3-MT2C‡</b>	Micro well 50 (2X)-tooth comb	1.0mm / 3mm	2µL	8µL	14µL	19µL
<b>D3-MT2D‡</b>	Micro well 50 (2X)-tooth comb	1.5mm / 3mm	3µL	12µL	20µL	29µL
<b>D3-WALL</b>	Wall comb, 1 tooth	1.5mm / 230mm	—	—	—	—

† 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.

## Thermo Scientific Owl A6 Horizontal Electrophoresis System

**Ideal for high-throughput laboratories**



- System screens 25 to 500 samples on a single agarose gel, producing clear, tight banding patterns with no “smiling”
- Gel tray’s unique comb-slot design allows use of up to 10 evenly spaced combs
- With special combs and a multichannel pipetter, samples are loaded directly from a 96-well plate, 8 or 12 at a time
- Incorporates unique end-gate casting design — gel tray is fitted with gasketed end gates which provide a leakproof seal without tape
- Sample loading with multichannel pipetter speeds up transfer
- Bubble level ensures casting of flat, uniformly thick gels

**Includes:** Buffer chamber with three-point leveling base, SuperSafe\* lid with attached power supply leads, UVT gel tray with gasketed end gates, four combs (two 25-well and two 50-well, 1.5mm thick)  
**Warranty<sup>Y</sup>:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System Description	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>A6</b>	Wide	25 x 23cm	35 x 38 x 11cm (13.75x 14.94 x 4.38in.)	3.0L	25 to 500

### Thermo Scientific Owl A6 Wide Gel Electrophoresis 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>A6-UVT</b>	UVT gel tray with gasketed end gates
<b>A3-GK-1</b>	Replacement gaskets (1 pair)
<b>A3-1-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-23</b>	Chameleon casting dam; 23cmW

### Thermo Scientific Owl A6 Horizontal 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>D3-MTC‡</b>	Microwell 25 (1X)-tooth comb	1.0mm / 7.5mm	6µL	20µL	34µL	48µL
<b>D3-MTD‡</b>	Microwell 25 (1X)-tooth comb	1.5mm / 7.5mm	8µL	30µL	51µL	72µL
<b>D3-MT2C‡</b>	Microwell 50 (2X)-tooth comb	1.0mm / 3mm	2µL	8µL	14µL	19µL
<b>D3-MT2D‡</b>	Microwell 50 (2X)-tooth comb	1.5mm / 3mm	3µL	12µL	20µL	29µL
<b>D3-WALL</b>	Wall comb, 1 tooth	1.5mm / 230mm	—	—	—	—

† 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.

## Thermo Scientific Owl A3-1 Large-Gel Electrophoresis System

Well-suited for plant genomics studies



- Horizontal system can run from 25 to 600 samples on one gel
- Gel can be cast in varying lengths to help conserve agarose when fewer samples need to be run
- 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
- Large number of comb slots provides sample number and resolving distance flexibility
- 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, four combs (two 25- and two 50-well), built-in buffer exchange ports and bubble level  
**Warranty\*:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>A3-1</b>	Large	40 × 23cm	53 × 32 × 11cm (20.63 × 12.5 × 4.25in.)	4.5L	25 to 600

### Thermo Scientific Owl A3-1 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
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>A3-UVT-1</b>	UVT gel tray with gasketed end gates
<b>A3-1-EG</b>	Replacement end gates (1 pair)
<b>A3-GK-1</b>	Replacement gaskets (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-23</b>	Chameleon casting dam; 23cmW

### Thermo Scientific Owl A3-1 Horizontal 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>D3-MTC‡</b>	Microwell 25 (1X)-tooth comb	1.0mm / 7.5mm	6µL	20µL	34µL	48µL
<b>D3-MTD‡</b>	Microwell 25 (1X)-tooth comb	1.5mm / 7.5mm	8µL	30µL	51µL	72µL
<b>D3-MT2C‡</b>	Microwell 50 (2X)-tooth comb	1.0mm / 3mm	2µL	8µL	14µL	19µL
<b>D3-MT2D‡</b>	Microwell 50 (2X)-tooth comb	1.5mm / 3mm	3µL	12µL	20µL	29µL
<b>D3-WALL</b>	Wall comb, 1 tooth	1.5mm / 230mm	—	—	—	—

† 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.



## 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<sup>†</sup>:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>A1</b>	Large	25 × 13cm	37.5 × 21.5 × 11cm (14.8 × 8.5 × 4.3in.)	1.6L	8 to 150
<b>A1-BP</b>	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
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>A1-UVT</b>	UVT gel tray with gasketed end gates
<b>A1-GK</b>	Replacement gaskets (1 pair)
<b>A1-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-13</b>	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
<b>A1-8C</b>	Standard 8-tooth comb	1.0mm / 13.9mm	10µL	36µL	63µL	89µL
<b>A1-8D</b>	Standard 8-tooth comb	1.5mm / 13.9mm	16µL	55µL	95µL	133µL
<b>A1-12C</b>	Standard 12-tooth comb	1.0mm / 8.7mm	7µL	23µL	39µL	55µL
<b>A1-12D</b>	Standard 12-tooth comb	1.5mm / 8.7mm	10µL	34µL	59µL	83µL
<b>A1-16C</b>	Standard 16-tooth comb	1.0mm / 6.1mm	5µL	16µL	27µL	39µL
<b>A1-16D</b>	Standard 16-tooth comb	1.5mm / 6.1mm	7µL	24µL	41µL	58µL
<b>A1-20C</b>	Standard 20-tooth comb	1.0mm / 4.5mm	3µL	12µL	20µL	29µL
<b>A1-20D</b>	Standard 20-tooth comb	1.5mm / 4.5mm	5µL	18µL	30µL	43µL
<b>A1-24C</b>	Standard 24-tooth comb	1.0mm / 3.5mm	3µL	9µL	16µL	22µL
<b>A1-24D</b>	Standard 24-tooth comb	1.5mm / 3.5mm	4µL	14µL	24µL	33µL
<b>A1-MTC‡</b>	Micro well 14 (1X) tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>A1-MTD‡</b>	Micro well 14 (1X) tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>A1-RL-9C‡</b>	Rapid load 9 (1X) tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>A1-RL-9D‡</b>	Rapid load 9 (1X) tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL
<b>A1-RL-25C‡</b>	Rapid load 25 (2X) tooth comb	1.0mm / 2.5mm	2µL	7µL	12µL	17µL
<b>A1-RL-25D‡</b>	Rapid load 25 (2X) tooth comb	1.5mm / 2.5mm	3µL	11µL	18µL	26µL
<b>A1-PREP</b>	Prep 2-tooth comb	1.5mm / 117 / 5mm	130 / 6µL	455 / 20µL	775 / 34µL	1100 / 48µL
<b>A1-WALL</b>	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.

## 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<sup>Y</sup>:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
<b>A2</b>	Large	25 × 20cm	37.5 × 32.5 × 10.5cm (14.8 × 12.8 × 4.1in.)	2.3L	8 to 432
<b>A2-BP</b>	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
<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 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
<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.

## 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, 1.5m thick combs.

**Warranty:** Three years

**Certifications:** CE marked

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.

## Thermo Scientific Owl A2-OK Multiple Gel Electrophoresis System

Ideal for teaching labs or labs that need to run multiple gels simultaneously



- Up to six 7 x 8cm minigels can be run on one system
- Screen up to 120 samples at once with supplied combs
- EasyCast\* casting design permits casting without tape or plugs
- UV-transmissible (UVT) gel trays may be placed directly on the transilluminator for easy photodocumentation
- Teacher can instruct up to 12 students using one system and one power supply

**Includes:** Buffer chamber with three-point leveling base; SuperSafe\* lid with attached power supply leads; Six EasyCast UVT gasketed gel trays; Twelve 10-well, double-sided combs, 1.0/1.5mm thick; Two external multiple gel casters; Gel tray holder  
**Warranty\*:** Three years  
**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>A2-OK</b>	Teaching	8 x 7cm	37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1in.)	2.3L	5 to 144

### Thermo Scientific Owl A2-OK Multi 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>B1A-UVT</b>	EasyCast gasketed UVT gel tray
<b>B1A-GK</b>	Replacement gaskets (1 pair)
<b>B1A-CST</b>	External caster (trays & combs not included)
<b>A2-OT</b>	Gel tray holder for A2-OK large gel system



### 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 A2-OK Multi 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>B1A-5C</b>	Standard comb; 5 teeth	1.0mm / 11.3mm	8µL	30µL	51µL	72µL
<b>B1A-5D</b>	Standard comb; 5 teeth	1.5mm / 11.3mm	13µL	44µL	76µL	108µL
<b>B1A-6</b>	Double-sided comb; 6 teeth	1.0 / 1.5mm / 9.1 / 9.1mm	7 / 10µL	24 / 36µL	41 / 61µL	58 / 87µL
<b>B1A-8</b>	Double-sided comb; 8 teeth	1.0 / 1.5mm / 6.4 / 6.4mm	5 / 7µL	17 / 25µL	29 / 43µL	41 / 61µL
<b>B1A-10</b>	Double-sided comb; 10 teeth	1.0 / 1.5mm / 4.8 / 4.8mm	4 / 5 µL	13 / 19µL	21 / 32µL	30 / 46µL
<b>B1A-12</b>	Double-sided comb; 12 teeth	1.0 / 1.5mm / 3.7 / 3.7mm	3 / 4µL	10 / 14µL	16 / 25µL	23 / 35µL
<b>B1A-PREP</b>	Prep comb; 2 teeth	1.5mm / 57 / 5 mm	64 / 6µL	225 / 19µL	385 / 32µL	550 / 46µL

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

## Thermo Scientific Owl D4 Horizontal Electrophoresis System

### Optimal flexibility while conserving valuable bench space



- Designed to provide flat, even banding patterns and consistent results with hassle-free gel casting — no tape, grease, agarose seals, or other accessories are required
- Run one gel tray (51 samples) in the buffer chamber, or to save bench space, two stacked trays (102 samples)
- Two 16 x 17cm UV Transmissible (UVT) gel trays accommodate up to three combs each, allowing the user to run up to three series of samples equal distances
- Stand-alone casting platform included for casting two gels simultaneously
- A single gel can be cast right in the buffer chamber or in the external caster

**Includes:** Buffer chamber (buffer volume, 1.8L); three-point leveling base; SuperSafe\* lid with attached power supply leads; two UVT gel trays; six 1.5mm thick combs; external gel caster; bubble level

**Warranty<sup>†</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Horizontal System	Gel Size (L x W)	Footprint (L x W x H)	Running Buffer Volume	Sample Range
<b>D4</b>	Space saving	17 x 16cm	23 x 27 x 14cm (9.1 x 10.6 x 5.5in.)	1.8L	17 to 102

### Thermo Scientific Owl D4 Horizontal Electrophoresis 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>D4-UVT</b>	EasyCast* gasketed UVT gel tray
<b>D4-GK</b>	Replacement gaskets (1 pair)
<b>D4-CST</b>	External caster



### Thermo Scientific Owl Leveling Platform

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

Cat. No.	Type	Dimensions
<b>BBL-1</b>	Bubble Level	N/A
<b>B-LP</b>	Leveling Platform	36 x 46cm

### Thermo Scientific Owl D4 Horizontal 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>D4-17C‡</b>	Micro well 17-tooth comb	1.0mm / 7.2mm	5µL	19µL	32µL	46µL
<b>D4-17D‡</b>	Micro well 17-tooth comb	1.5mm / 7.2mm	8µL	28µL	49µL	69µL

† 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.



## Thermo Scientific Owl P81 Single-Sided Vertical Electrophoresis System

### Economical system for quick protein runs



- Simple, rugged system provides excellent results
- Upper buffer chamber extends the length of the gel to distribute heat evenly across the entire gel surface
- Side clamps press glass plates against silicone gasket to provide uniform pressure and form a leakproof seal resulting in flat, even banding patterns
- Notched alumina ceramic plate (included) may be used in front of notched glass for cooler, faster runs

**Includes:** Upper and lower buffer chambers, SuperSafe\* lid with attached power supply leads, blank glass plate, notched glass plate, notched alumina plate, two combs (10 well, 0.8mm thick), spacer set (0.8mm thick)

**Warranty<sup>†</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Vertical System	Gel Size (L × W)	Footprint (L × W × H) (7.1 × 3.1 × 5.1in.)	Running Buffer Volume		
				Upper Buffer	Lower Buffer	Total Buffer
<b>P81</b>	Single Sided	10 × 10cm	18 × 8 × 13cm (7.1 × 3.1 × 5.1in.)	100mL	50mL	150mL

### Thermo Scientific Owl P81 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	Dimensions
<b>PSL-5</b>	Power supply leads, 3 ft. (one black and one red lead)	—
<b>P81-009</b>	Supersafe* lid with attached power supply leads	—
<b>P8-GK</b>	Orange replacement gaskets (1 pair)	—
<b>P8-CL</b>	Side clamps (1 pair)	—
<b>R10446</b>	Wing knob	—
<b>P7-SA</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
<b>P7-SC</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
<b>P7-SD</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
<b>P7-10R</b>	Notched glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
<b>P7-10G</b>	Blank Glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
<b>P7-10FR</b>	Frosted notched glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
<b>P7-10FG</b>	Frosted blank glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
<b>P7-10RA</b>	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

### Thermo Scientific Owl P8-Series Vertical Electrophoresis System Accessories



Cat. No.	Description	Gel Size (L × W)	Footprint (L × W × H)
<b>JGC-4</b>	Gel Casting System; Compatible with P8DS	10 × 10cm	13 × 13 × 11cm
<b>P7-CST</b>	Gradient Gel Caster	10 × 10cm	13 × 15 × 13cm

### Thermo Scientific Owl P8-Series System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>MP-6A</b>	Standard 6-tooth comb	0.5mm	11.1mm	89µL
<b>MP-6C</b>	Standard 6-tooth comb	0.8mm	11.1mm	142µL
<b>MP-6D</b>	Standard 6-tooth comb	1.5mm	11.1mm	266µL
<b>MP-8A</b>	Standard 8-tooth comb	0.5mm	7.7mm	62µL
<b>MP-8C</b>	Standard 8-tooth comb	0.8mm	7.7mm	99µL
<b>MP-8D</b>	Standard 8-tooth comb	1.5mm	7.7mm	185µL
<b>MP-10A</b>	Standard 10-tooth comb	0.5mm	5.7mm	46µL
<b>MP-10C</b>	Standard 10-tooth comb	0.8mm	5.7mm	73µL
<b>MP-10D</b>	Standard 10-tooth comb	1.5mm	5.7mm	134µL
<b>MP-12A</b>	Standard 12-tooth comb	0.5mm	4.3mm	34µL
<b>MP-12C</b>	Standard 12-tooth comb	0.8mm	4.3mm	55µL
<b>MP-12D</b>	Standard 12-tooth comb	1.5mm	4.3mm	103µL
<b>MP-15A</b>	Standard 15-tooth comb	0.5mm	2.9mm	23µL
<b>MP-20A</b>	Standard 20-tooth comb	0.5mm	1.6mm	13µL

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

## Thermo Scientific Owl P82 Dual-Gel Electrophoresis System

Easy to use system produces flat, even banding and crisp resolution



- Runs two 10 x 10cm gels or one gel when used with blocking plate; accommodates 8 x 10cm gels utilizing the provided adapter
- Allows gels to easily be placed into the device
- Wedge placed in front of the cassettes provides even pressure against the leakproof gasket, places the cassettes in proper running position
- Two sizes of wedges accommodate varying thickness of precast gels
- Flexible — use precast polyacrylamide gels or hand cast gels
- No cooling required

**Includes:** Inner buffer chambers, buffer tank, SuperSafe\* lid with attached power supply leads, two wedges (1.27cm thick), two wedges (1.59cm thick), adapter plates for 10 x 8 gels (2) and blocking plate  
**Warranty\*:** Three years  
**Certifications:** CE marked

Cat. No.	Vertical System	Gel Size (L x W)	Footprint (L x W x H) (5.88 x 4.75 x 6.69")	Running Buffer Volume		
				Upper Buffer Chamber Vol.	Lower Buffer Chamber Max. Vol.	Lower Buffer Chamber Min. Vol. (8cm / 10cm gel)
P82	Double Sided	8-10 x 10cm	15.2 x 12.4 x 17cm (5.88 x 4.75 x 6.69")	150mL	300mL	150mL

### Thermo Scientific Owl P82 Dual 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	Dimensions
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)	—
OG-PL1	Blocking plate	—
R12009	Replacement gaskets (1 pair)	—
P82DS-016	Adapter plate	—
P82DS-012	Thick replacement wedge; 1.59cm	—
P82DS-013	Thin replacement wedge; 1.27cm	—
P82DS-GK	Replacement gasket (1 pair)	—
P7-SA	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
P7-SC	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
P7-SD	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
P7-10R	Notched glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
P7-10G	Blank glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
P7-10FR	Frosted notched glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
P7-10FG	Frosted blank glass	10cmL x 10cmW x $\frac{3}{32}$ " thickness
P7-10RA	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

## Thermo Scientific Owl P8-Series Vertical Electrophoresis System Accessories



Cat. No.	Description	Gel Size (L × W)	Footprint (L × W × H)
<b>JGC-4</b>	Gel Casting System; Compatible with P8DS	10 × 10cm	13 × 13 × 11cm
<b>P7-CST</b>	Gradient Gel Caster	10 × 10cm	13 × 15 × 13cm

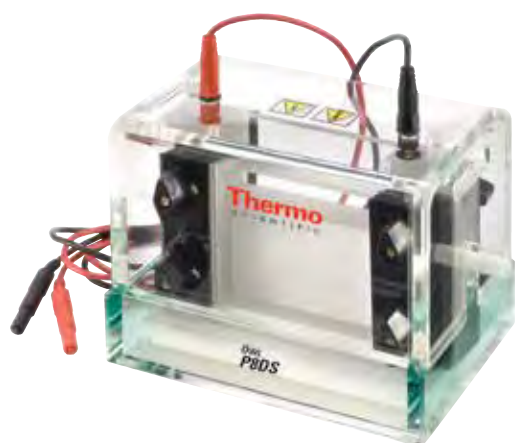
## Thermo Scientific Owl P8-Series System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>MP-6A</b>	Standard 6-tooth comb	0.5mm	11.1mm	89µL
<b>MP-6C</b>	Standard 6-tooth comb	0.8mm	11.1mm	142µL
<b>MP-6D</b>	Standard 6-tooth comb	1.5mm	11.1mm	266µL
<b>MP-8A</b>	Standard 8-tooth comb	0.5mm	7.7mm	62µL
<b>MP-8C</b>	Standard 8-tooth comb	0.8mm	7.7mm	99µL
<b>MP-8D</b>	Standard 8-tooth comb	1.5mm	7.7mm	185µL
<b>MP-10A</b>	Standard 10-tooth comb	0.5mm	5.7mm	46µL
<b>MP-10C</b>	Standard 10-tooth comb	0.8mm	5.7mm	73µL
<b>MP-10D</b>	Standard 10-tooth comb	1.5mm	5.7mm	134µL
<b>MP-12A</b>	Standard 12-tooth comb	0.5mm	4.3mm	34µL
<b>MP-12C</b>	Standard 12-tooth comb	0.8mm	4.3mm	55µL
<b>MP-12D</b>	Standard 12-tooth comb	1.5mm	4.3mm	103µL
<b>MP-15A</b>	Standard 15-tooth comb	0.5mm	2.9mm	23µL
<b>MP-20A</b>	Standard 20-tooth comb	0.5mm	1.6mm	13µL

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

## Thermo Scientific Owl P8DS Dual-Gel Vertical Electrophoresis System

### Ideal for two-dimensional electrophoresis



- Quickly and easily casts and runs 1 or 2 gels in the same device
- Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis
- Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system
- Central cooling core provides even cooling across the gel surface for outstanding resolution and clear banding
- Cooling is achieved by circulating fluid through the core with external circulator or cool tap water
- Very simple clamping mechanism makes loading glass cassettes and most manufacturers' precast gels trouble free

**Includes:** Complete System consist of Upper Buffer Chamber with Internal Cooling Core, Lower Buffer Chamber, SuperSafe Lid with Attached Power Supply Leads, 4 Blank Glass Plates, 2 Notched Glass Plates, 2 Notched Alumina Plates, 2 Spacer Sets: 0.8 mm Thick, Blocking Plate for Single Gel Operation, Spacer Placer, 2 Combs: 10 Well, 0.8 mm Thick

**Warranty:** Three years

**Certifications:** CE marked

Cat. No.	Description	Vertical System	Gel Size L × W	Footprint (L × W × H)	Running Buffer		
					Lower Buffer	Upper Buffer	Total
<b>P8DS-1</b>	P8DS Complete System plus Caster	Double-sided	8–10 × 10cm	17 × 13 × 14cm (6.7 × 5.1 × 5.5")	150mL	150mL	300mL
<b>P8DS-2</b>	P8DS Complete System	Double-sided	8–10 × 10cm	17 × 13 × 14cm (6.7 × 5.1 × 5.5")	150mL	150mL	300mL
<b>P8DS-3</b>	P8DS Apparatus Only	Double-sided	8–10 × 10cm	17 × 13 × 14cm (6.7 × 5.1 × 5.5")	150mL	150mL	300mL

### Thermo Scientific Owl P8DS Gel System Replacement Parts

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

Cat. No.	Description	Dimensions
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)	—
<b>P8DS-016</b>	Blocking Plate	—
<b>P8DS-012</b>	Super Safe Lid with Attached Power Supply Leads	—
<b>R12009</b>	Replacement gaskets (1 pair)	—
<b>P8-CL</b>	Side clamps (1 pair)	—
<b>R10446</b>	Wing knob	—
<b>ST-10</b>	Sponge Tips (Pack of 10)	—
<b>P7-SA</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.5mm thickness
<b>P7-SC</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 0.8mm thickness
<b>P7-SD</b>	Spacer Set (2 sides, 1 bottom)	0.5cmW x 1.5mm thickness
<b>P7-10R</b>	Notched glass	10cmL x 10cmW x 3/32" thickness
<b>P7-10G</b>	Blank Glass	10cmL x 10cmW x 3/32" thickness
<b>P7-10FR</b>	Frosted notched glass	10cmL x 10cmW x 3/32" thickness
<b>P7-10FG</b>	Frosted blank glass	10cmL x 10cmW x 3/32" thickness
<b>P7-10RA</b>	Notched alumina plate	10cmL x 10cmW x 1.0mm thickness

## Thermo Scientific Owl P8-Series Vertical Electrophoresis System Accessories



Cat. No.	Description	Gel Size (L × W)	Footprint (L × W × H)
<b>JGC-4</b>	Gel Casting System; Compatible with P8DS	10 × 10cm	13 × 13 × 11cm
<b>P7-CST</b>	Gradient Gel Caster	10 × 10cm	13 × 15 × 13cm

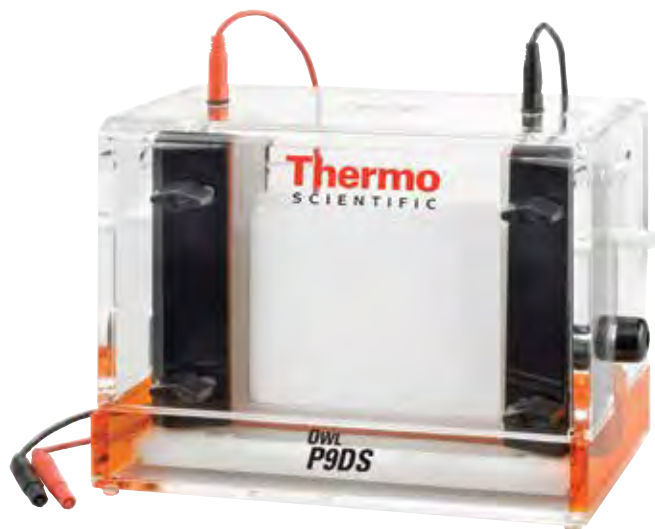
## Thermo Scientific Owl P8-Series System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>MP-6A</b>	Standard 6-tooth comb	0.5mm	11.1mm	89µL
<b>MP-6C</b>	Standard 6-tooth comb	0.8mm	11.1mm	142µL
<b>MP-6D</b>	Standard 6-tooth comb	1.5mm	11.1mm	266µL
<b>MP-8A</b>	Standard 8-tooth comb	0.5mm	7.7mm	62µL
<b>MP-8C</b>	Standard 8-tooth comb	0.8mm	7.7mm	99µL
<b>MP-8D</b>	Standard 8-tooth comb	1.5mm	7.7mm	185µL
<b>MP-10A</b>	Standard 10-tooth comb	0.5mm	5.7mm	46µL
<b>MP-10C</b>	Standard 10-tooth comb	0.8mm	5.7mm	73µL
<b>MP-10D</b>	Standard 10-tooth comb	1.5mm	5.7mm	134µL
<b>MP-12A</b>	Standard 12-tooth comb	0.5mm	4.3mm	34µL
<b>MP-12C</b>	Standard 12-tooth comb	0.8mm	4.3mm	55µL
<b>MP-12D</b>	Standard 12-tooth comb	1.5mm	4.3mm	103µL
<b>MP-15A</b>	Standard 15-tooth comb	0.5mm	2.9mm	23µL
<b>MP-20A</b>	Standard 20-tooth comb	0.5mm	1.6mm	13µL

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

## Thermo Scientific Owl P9DS Dual-Gel Vertical Electrophoresis Systems

### Ideal for two-dimensional electrophoresis



- Quickly and easily casts and runs 1 or 2 gels in the same device
- Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis
- Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system
- Central cooling core provides even cooling across the gel surface for outstanding resolution and clear banding
- Cooling is achieved by circulating fluid through the core with external circulator or cool tap water
- Very simple clamping mechanism makes loading glass cassettes and most manufacturers' precast gels trouble free

**Includes:** Complete System consists of Upper Buffer Chamber with Internal Cooling Core, Lower Buffer Chamber, SuperSafe Lid with Attached Power Supply Leads, 4 Blank Glass Plates, 2 Notched Glass Plates, Spacer Set: 1.5mm Thick, Blocking Plate for Single Gel Operation, 2 Combs: (2) 10-Well and (2) 15-Well, 1.5mm Thick  
**Warranty\*:** Three years  
**Certifications:** CE marked

Cat. No.	Description	Vertical System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume		
					Lower Buffer	Upper Buffer	Total
<b>P9DS-1</b>	P9DS Complete System plus Caster	Double-sided	14–16 × 16cm	25 × 13 × 19.5cm (9.8 × 5.1 × 7.7in.)	350mL	200mL	550mL
<b>P9DS-2</b>	P9DS Complete System	Double-sided	14–16 × 16cm	25 × 13 × 19.5cm (9.8 × 5.1 × 7.7in.)	350mL	200mL	550mL
<b>P9DS-3</b>	P9DS Apparatus Only	Double-sided	14–16 × 16cm	25 × 13 × 19.5cm (9.8 × 5.1 × 7.7in.)	350mL	200mL	550mL

### Thermo Scientific Owl P9DS Dual 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	Dimensions
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)	
<b>P9DS-006</b>	Blocking Plate	—
<b>P9DS-012</b>	Super Safe Lid with Attached Power Supply Leads	—
<b>P9-GK</b>	Orange replacement gaskets (1 pair)	—
<b>P9-CL</b>	Side clamps; pack of 2	—
<b>R10446</b>	Wing knob	—
<b>ST-10</b>	Sponge Tips (Pack of 10)	—
<b>P1-SC</b>	Spacer set (2 sides, 1 bottom)	1.0cmW x 0.8mm thickness
<b>P1-SD</b>	Spacer set (2 sides, 1 bottom)	1.0cmW x 1.5mm thickness
<b>P1-14R</b>	Notched glass	14cmL x 16cmW x 1/8" thickness
<b>P1-14G</b>	Blank glass	14cmL x 16cmW x 1/8" thickness
<b>P1-14FR</b>	Frosted notched glass	14cmL x 16cmW x 1/8" thickness
<b>P1-14FG</b>	Frosted blank glass	14cmL x 16cmW x 1/8" thickness
<b>P1-12G</b>	Offset glass	12cmL x 16cmW x 1/8" thickness



### Thermo Scientific Owl P9-Series Vertical Electrophoresis System Accessories

Cat. No.	Description	Gel Size (L x W)	Footprint (L x W x H)
<b>JGC-2</b>	Gel Casting System	14 x 16cm	17 x 18 x 15cm
<b>P1-CST</b>	Multiple Gradient Gel Caster	14 x 16cm	13 x 20 x 18cm

### Thermo Scientific Owl P9DS System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>P1-10C</b>	Standard 10-tooth comb	0.8mm	10.4mm	138µL
<b>P1-10D</b>	Standard 10-tooth comb	1.5mm	10.4mm	343µL
<b>P1-15C</b>	Standard 15-tooth comb	0.8mm	6.1mm	107µL
<b>P1-15D</b>	Standard 15-tooth comb	1.5mm	6.1mm	201µL
<b>P1-20C</b>	Standard 20-tooth comb	0.8mm	3.9mm	69µL
<b>P1-20D</b>	Standard 20-tooth comb	1.5mm	3.9mm	129µL
<b>P1-24C</b>	Standard 24-tooth comb	0.8mm	2.9mm	51µL
<b>P1-24D</b>	Standard 24-tooth comb	1.5mm	2.9mm	96µL

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



## Thermo Scientific Owl P10DS Dual-Gel Vertical Electrophoresis Systems

Ideal for second dimension protocols of 2-D electrophoresis applications



- Optimal device for a large number of samples that need extended separation and mobility shift assays
- Casts and runs one or two 20 × 20cm gels in the upper buffer chamber
- Larger size cassette gives the maximum number of samples and separation length
- Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system
- Central cooling core provides even cooling across the gel surface for outstanding resolution and clear banding
- Cooling is achieved by circulating fluid through the core with external circulator or cool tap water
- Very simple clamping mechanism makes loading glass cassettes and most manufacturers' precast gels trouble free

**Applications:** SDS electrophoresis, the second dimension of two-dimensional (2-D) electrophoresis, agarose electrophoresis and native electrophoresis

**Includes:** Complete System consists of Upper Buffer Chamber with Internal Cooling Core, Lower Buffer Chamber, SuperSafe® Lid with Attached Power Supply Leads, 4 Blank Glass Plates, 4 Notched Glass Plates, 4 Combs: (2) 15 Well and (2) 20 Well, 1.5mm Thick, 4 Spacer Sets: 1.5mm Thick, Blocking Plate for Single Gel Operation, and Spacer Placer

**Warranty<sup>†</sup>:** Three years

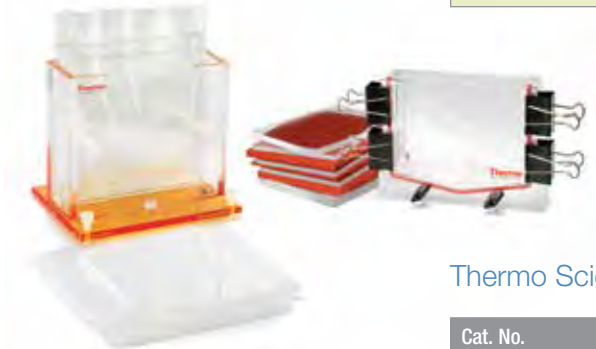
**Certifications:** CE marked

Cat. No.	Description	Vertical System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume		
					Lower Buffer	Upper Buffer	Total
<b>P10DS-1</b>	P10DS Complete System plus Caster	Double-sided	20 × 20cm	30.5 × 16.5 × 23cm (12 × 6.5 × 9in.)	600mL	650mL	1250mL
<b>P10DS-2</b>	P10DS Complete System	Double-sided	20 × 20cm	30.5 × 16.5 × 23cm (12 × 6.5 × 9in.)	600mL	650mL	1250mL
<b>P10DS-3</b>	P10DS Apparatus Only	Double-sided	20 × 20cm	30.5 × 16.5 × 23cm (12 × 6.5 × 9in.)	600mL	650mL	1250mL

### Thermo Scientific Owl P10DS Dual 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	Dimensions
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)	—
<b>P10DS-006</b>	Blocking Plate	—
<b>P10DS-012</b>	Super Safe Lid with Attached Power Supply Leads	—
<b>P10-GK</b>	Orange replacement gaskets (1 pair)	—
<b>P10-CL</b>	Side Clamps (1 pair)	—
<b>R10446</b>	Wing knob	—
<b>ST-10</b>	Sponge Tips (Pack of 10)	—
<b>P2-SC</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 0.8mm thickness
<b>P2-SD</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 1.5mm thickness
<b>P2-20R</b>	Notched glass	20cmL × 20cmW × 3/16" thickness
<b>P2-20G</b>	Blank glass	20cmL × 20cmW × 3/16" thickness
<b>P2-20FR</b>	Frosted notched glass	20cmL × 20cmW × 3/16" thickness
<b>P2-20FG</b>	Frosted blank glass	20cmL × 20cmW × 3/16" thickness
<b>P2-18G</b>	Offset glass	18cmL × 20cmW × 3/16" thickness
<b>P10-20R</b>	Notched glass	20cmL × 20cmW × 1/8" thickness
<b>P10-20G</b>	Blank glass	20cmL × 20cmW × 1/8" thickness
<b>P10-18G</b>	Offset glass	20cmL × 18cmW × 1/8" thickness



### Thermo Scientific Owl P10-Series Vertical Electrophoresis System Accessories

Cat. No.	Description	Gel Size (L × W)	Footprint (L × W × H)
<b>JGC-3</b>	Gel Casting System	20 × 20cm	23 × 17 × 17cm
<b>P2-CST</b>	Gradient Gel Caster	20 × 20cm	13 × 25 × 23cm

### Thermo Scientific Owl P10-Series System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>P2-10C</b>	Standard 10-tooth comb	0.8mm	13.6mm	239µL
<b>P2-10D</b>	Standard 10-tooth comb	1.5mm	13.6mm	449µL
<b>P2-15C</b>	Standard 15-tooth comb	0.8mm	8.2mm	144µL
<b>P2-15D</b>	Standard 15-tooth comb	1.5mm	8.2mm	271µL
<b>P2-20C</b>	Standard 20-tooth comb	0.8mm	5.5mm	97µL
<b>P2-20D</b>	Standard 20-tooth comb	1.5mm	5.5mm	182µL
<b>P2-25C</b>	Standard 25-tooth comb	0.8mm	3.9mm	69µL
<b>P2-25D</b>	Standard 25-tooth comb	1.5mm	3.9mm	129µL
<b>P2-PREP</b>	Prep comb with 2 teeth	1.5mm	151 / 5.0mm	4604 / 162µL

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

## Thermo Scientific Owl S4S Aluminum-Backed Sequencers

Easy setup with even heat distribution for “smile”-free results



- Floating aluminum heat sink reduces chance of plates cracking during runs
- Upper buffer chamber (UBC) requires minimal buffer and is easily drained via inline drain port into removable bottle
- Lower buffer chamber (LBC) is removable for simple buffer disposal
- Full-length side clamps press gel plates against gasket seated on UBC, applying even pressure across the entire plate providing a reliable, leakproof seal between the plate and gasket
- Clamps slide over glass plates for easy setup and removal of gels

**Includes:** UBC with removable drain bottle (with safety interlocking lid and attached power supply lead), removable LBC, anodized aluminum heat sink, two side clamps, two blank glass plates, two notched glass plates, two sharktooth combs (39 teeth, 0.4mm thick), Well comb (20 well, 0.4mm thick), adhesive temperature indicator

**Warranty<sup>†</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Vertical System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume		
				Lower Buffer	Upper Buffer	Total
<b>S4S</b>	Sequencing system	45 × 20cm	27 × 23 × 50cm	500mL	300mL	800mL

### Thermo Scientific Owl S4S Aluminum Backed Sequencer 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
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>S3S-CL</b>	Side Clamp (1 pair)
<b>R10384</b>	Buffer Drain Bottle
<b>S4S-GK</b>	Replacement Gasket
<b>ST-10</b>	Sponge Tips (Pack of 10)
<b>TEMP-5</b>	Adhesive Temperature Indicator (Pack of 5)
<b>STK-10</b>	Stopcocks (1 pair)
<b>S3S-KNOB</b>	Replacement Knob (Pack of 6)

### Thermo Scientific Owl Sequencing System Spacer Sets and Glass Plates

Cat. No.	Description	Dimensions
<b>S2S-SA4</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 0.4mm thickness
<b>S2S-SA2</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 0.2mm thickness
<b>S2S-SAW</b>	Wedge (Pack of 2)	1.0cmW × 0.4 - 0.8mm thickness
<b>S1S-45R</b>	Notched Glass	45cmL × 20cmW × 3/16" thickness
<b>S1S-45G</b>	Blank Glass	45cmL × 20cmW × 3/16" thickness
<b>S1S-43G</b>	Offset Glass	43cmL × 20cmW × 3/16" thickness

### Thermo Scientific Owl SGC-1 Sequencing Gel Casters



- Simple method permits bubble-free gels to be cast in less than three minutes
- Horizontal plate sliding procedure, capillary action drawing gel between plates, and surface tension keeps the gel from leaking.
- No taping or special assembly required
- Exposure to hazardous acrylamide is decreased, reducing cleanup time
- Fully adjustable to accommodate glass plates from 20 to 42cm wide

**Includes:** Adjustable casting platform, width adjustment knobs, 12 binder clamps

Cat. No.	Gel Size (L × W)	Footprint (L × W × H)
<b>SGC-1</b>	48 × 20-42cm	71 × 21 × 12.2cm (28 × 8.25 × 4.75in.)

### Thermo Scientific Owl S4S System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>S1S-20A</b>	20-tooth Well Comb	0.4mm	6.8mm	15µL
<b>S1S-30A</b>	30-tooth Well comb	0.4mm	4.1mm	9µL
<b>S1S-SHARK4</b>	39-tooth Sharktooth Comb	0.4mm	—	9µL
<b>S1S-SHARK2</b>	39-tooth Sharktooth Comb	0.2mm	—	5µL
<b>S1S-MT2</b>	36 (2X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	10µL
<b>S1S-MT3</b>	55 (3X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	5.5µL
<b>S1S-MT44</b>	73 (4X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	3.7µL
<b>S1S-MT42</b>	73 (4X)-tooth Sharktooth Micro-Well Comb	0.2mm	—	2.0µL

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

## Thermo Scientific Owl S3S Aluminum-Backed Sequencers

**Most common size for manual sequencing, providing the optimal size for separation**



- Floating aluminum heat sink reduces chance of plates cracking during runs
- Upper buffer chamber (UBC) requires minimal buffer and is easily drained via inline drain port into removable bottle
- Lower buffer chamber (LBC) is removable for simple buffer disposal
- Side clamps press gel plates against gasket seated on UBC applying even pressure across plate, forming a leakproof seal resulting in flat, even banding patterns
- Clamps slide over glass plates for easy setup and removal of gels

**Includes:** UBC with removable drain bottle (with safety interlocking lid and attached power supply lead), removable LBC, heat sink, two side clamps, two blank glass plates, two notched glass plates, two sharktooth combs (78 teeth, 0.4mm thick), well comb (40 well, 0.4mm thick), 2 spacer sets (0.4mm), Adhesive temperature indicator

**Warranty<sup>Y</sup>:** Three years

**Certifications:** CE marked

Cat. No.	Vertical System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume		
				Lower Buffer	Upper Buffer Chamber	Total
<b>S3S</b>	Sequencing System	45 × 35cm	44 × 23 × 50cm	450mL	500mL	950mL

### Thermo Scientific Owl S3S Sequencer 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
<b>PSL-5</b>	Power supply leads, 3 ft. (Includes one black and one red lead)
<b>S3S-CL</b>	Side Clamp (1 pair)
<b>R10383</b>	Buffer drain bottle
<b>S3S-GK</b>	Replacement Gasket
<b>ST-10</b>	Sponge Tips (Pack of 10)
<b>TEMP-5</b>	Adhesive Temperature Indicator (Pack of 5)
<b>STK-10</b>	Stopcocks (1 pair)
<b>S3S-KNOB</b>	Replacement Knob (Pack of 6)

## Thermo Scientific Owl Sequencing System Spacer Sets and Glass Plates

Cat. No.	Description	Dimensions
<b>S2S-SA4</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 0.4mm thickness
<b>S2S-SA2</b>	Spacer Set (2 sides, 1 bottom)	1.0cmW × 0.2mm thickness
<b>S2S-SAW</b>	Wedge (Pack of 2)	1.0cmW × 0.4 - 0.8mm thickness
<b>S2S-45R</b>	Notched Glass	45cmL × 35cmW × 3/16" thickness
<b>S2S-45G</b>	Blank Glass	45cmL × 35cmW × 3/16" thickness
<b>S2S-43G</b>	Offset glass	43cmL × 35cmW × 3/16" thickness

## Thermo Scientific Owl SGC-1 Sequencing Gel Casters



- Simple method permits bubble-free gels to be cast in less than three minutes
- Horizontal plate sliding procedure, capillary action drawing gel between plates, and surface tension keeps the gel from leaking, no taping or special assembly required
- Exposure to hazardous acrylamide is decreased, reducing cleanup time
- Fully adjustable to accommodate glass plates from 20 to 42cm wide

Cat. No.	Gel Size (L × W)	Footprint (L x W x H)
<b>SGC-1</b>	48 × 20-42cm	71 x 21 x 12.2cm (28 x 8.25x 4.75in.)

## Thermo Scientific Owl S3S System Combs

Cat. No.†	Description	Thickness of teeth	Width of teeth	EST Well Volume
<b>S2S-20A</b>	40-tooth Well Comb	0.4mm	6.8mm	15µL
<b>S2S-30A</b>	60-tooth Well Comb	0.4mm	4.1mm	9µL
<b>S2S-SHARK4</b>	78-tooth Sharktooth Comb	0.4mm	—	9µL
<b>S2S-SHARK2</b>	78-tooth Sharktooth Comb	0.2mm	—	5µL
<b>S2S-MT2</b>	72 (2X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	10µL
<b>S2S-MT3</b>	110 (3X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	5.5µL
<b>S2S-MT44</b>	146 (4X)-tooth Sharktooth Micro-Well Comb	0.4mm	—	3.7µL
<b>S2S-MT42</b>	146 (4X)-tooth Sharktooth Micro-Well Comb	0.2mm	—	2µL

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

## Thermo Scientific Owl JGC-4, JGC-3, JGC-2 Gel Casting Systems

### Fast, unique way to cast polyacrylamide gels



- Pouch collects excess polyacrylamide and seals bottom of gel, eliminating need for tape or bottom spacers
- Design allows storage of gels without dehydration by adding buffer and heat sealing
- Casts from one to four gels
- Few moving parts result in outstanding durability and extra long life

**Includes:** Casting stand with three-point leveling base, blocking plate, spacer placer, 25 gel pouches, clamping screws, bubble level and leveling screws

**Certifications:** CE marked

Cat. No.	Compatible With	Gel Size	L x W x H
<b>JGC-4</b>	Owl P8DS, P82, P81	10 × 10cm	13 × 13 × 11cm
<b>JGC-3</b>	Owl P10DS	20 × 20cm	23 × 17 × 17cm
<b>JGC-2</b>	Owl P9DS	14 × 16cm	17 × 18 × 15cm

### Thermo Scientific Owl JGC Gel Casting System Replacement Parts

Cat. No.	Description	Dimensions	For Use With
<b>GP4-100</b>	Gel Pouches; Pack of 100	10 × 10cm	JGC-4 Systems
<b>GP4-25</b>	Gel Pouches; Pack of 25	10 × 10cm	JGC-4 Systems
<b>JG4-PL</b>	Spacer Placer; Pack of 3	—	JGC-4 Systems
<b>JGC4-006</b>	Blocking Plate; Each	10 × 10cm	JGC-4 Systems
<b>GP3-100</b>	Gel Pouches; Pack of 100	20 × 20cm	JGC-3 Systems
<b>GP3-25</b>	Gel Pouches; Pack of 25	20 × 20cm	JGC-3 Systems
<b>JG3-PL</b>	Spacer Placer; Pack of 3	—	JGC-3 Systems
<b>JGC-003</b>	Blocking plate; Each	20 × 20cm	JGC-3 Systems
<b>GP2-100</b>	Gel Pouches; Pack of 100	14 × 16cm	JGC-2 Systems
<b>GP2-25</b>	Gel Pouches; Pack of 25	14 × 16cm	JGC-2 Systems
<b>JG2-PL</b>	Spacer Placer; Pack of 3	—	JGC-2 Systems
<b>JGC2-003</b>	Blocking Plate; Each	14 × 16cm	JGC-2 Systems
<b>R10013</b>	Leveling screws	1"L	JGC-4, JGC-3, JGC-2 Systems
<b>R10014</b>	Clamping screws	2"L	JGC-4, JGC-3, JGC-2 Systems

### Thermo Scientific Owl Gradient Gel Casters



#### Simultaneously casts from 1 to 5 gels

- Use external gradient maker to cast gels with ease and great reproducibility
- Gradient gels may be pumped in through port in base of caster—requires no external pump due to gravity pull
- Design and format of unit will provide years of service

**Includes:** Casting stand with base port, spacer placer, foam, acrylic spacer plates, four binder clamps, front plate, 2 wing knobs and blocking plate

Cat. No.	Description	Gel Size (L x W)	Footprint (L x W x H)	Compatible Owl Units
<b>P7-CST</b>	Gradient Gel Caster	10 x 10cm	15 x 13 x 13cm (5.8 x 5.1 x 5.1in.)	P81, P82, P8DS
<b>P1-CST</b>	Gel Caster	14 x 16cm	20 x 13 x 18cm (7.9 x 5.1 x 7in.)	P9DS
<b>P2-CST</b>	Gel Caster	20 x 20cm	25 x 13 x 23cm (9.8 x 5.1 x 9in.)	P10DS

### Thermo Scientific Owl SGC Sequencing Gel Casters



#### Simple method that allows bubble-free gels to be cast in less than three minutes

- Horizontal plate sliding procedure, capillary action drawing gel between plates, and surface tension, keeps the gel from leaking, no taping or special assembly required
- Exposure to hazardous acrylamide is decreased, reducing cleanup time
- Available in two lengths: 48 or 65.5cm
- Fully adjustable to accommodate glass plates from 20 to 42cm wide

**Includes:** Adjustable casting platform, width adjustment knobs, 12 binder clamps

Cat. No.	Plate Size (L x W)	L x W x H	Compatible Owl Units
<b>SGC-1</b>	48 x 20-42cm	71 x 21 x 12.2cm (28 x 8.25x 4.75in.)	S4S, S3S
<b>SGC-2</b>	65.5 x 20-42cm	102 x 21 x 12.2cm (40 x 8.25 x 4.75in.)	S4S, S3S

### Thermo Scientific Owl Accessories for CST Multiple Gradient Gel Casters

Cat. No.	Description
<b>CL-12</b>	Binder clamps (pk. of 12)
<b>CL-125</b>	Stainless-steel clamps (pk. of 12)





### Thermo Scientific Owl Gel-Drying Kits

#### Convenient method of preserving protein gels by air drying them between two sheets of cellophane

- Preserves protein gels easily and economically, while eliminating distortion problems common in other drying procedures
- Available in minigel and large format sizes
- Beveled-edge design of gel-drying frame makes assembly easy

**Includes:** Complete kits include two sets of gel-drying frames, 50 sheets of precut cellophane, two solid back plates, and eight side clips; frames and cellophane are also available separately

Cat. No.	Description	L x W
<b>GDF-10</b>	Gel-Drying Kit, Minigel Format	14 x 14cm
<b>GDF-20</b>	Gel-Drying Kit, Large Format	24 x 24cm

### Thermo Scientific Owl Gel Drying Kit Accessories

Cat. No.	Description	L x W
<b>GDF-3</b>	Gel drying frame, Minigel	14 x 14cm
<b>GDF-1</b>	Gel drying frame, Large	24 x 24cm
<b>CM10</b>	Precut Cellophane; 50 sheets	14 x 14cm
<b>CM20</b>	Precut Cellophane; 50 sheets	24 x 24cm



### Thermo Scientific Owl Gel Staining Box

#### Permits staining, fixing and destaining in the same container

- Resistant to most organic dyes, silver and other stains.
- Holds up to 125mL of liquid and one gel when used on a shaking platform
- Grooved lid enables proper orientation and stability when stacking
- Made of clear plastic, so gels can be viewed directly in the tray

**Ordering Information:** Package of 5

Cat. No.	Exterior Dimension L x W x H	Capacity
<b>GSB-3</b>	11 x 11 x 3cm	125mL

### Thermo Scientific Owl Blotting Paper

#### High-quality blotting paper ideal for wicking and blotting applications

- Provides sufficient thickness to absorb adequate amounts of buffer for semi-dry electroblotting without the loss of mechanical stability
- Available in pre-cut mini gel and large format gel sizes
- Compatible with Owl electroblotting systems

Cat. No.			Material	Weight	Thickness	Flowrate
<b>FP-1</b>	20 x 20cm	HEP-1	100% cotton fiber	183g/m <sup>2</sup>	0.83mm	35mL/min.
<b>FP-2</b>	35 x 45cm	HEP-3				
<b>FP-3</b>	46 x 57cm	—				
<b>FP-4</b>	10 x 10cm	HEP-1, VEP-2				
<b>FP-5</b>	18 x 20cm	HEP-1, VEP-3				
<b>FP-6</b>	9 x 9cm	HEP-1, VEP-3				
<b>FP-7</b>	12 x 16cm	HEP-1				



### Thermo Scientific Owl Transfer Membranes

#### Hydrophobic membranes that are ideal for Western blotting

- Thermo Scientific offers Immobilon\*-P, PVDF transfer membrane
- This membrane provides the highest signal-to-noise ratio, which allows the use of mild blocking procedures
- Immobilon-P has high protein retention; is compatible with all standard visualization methods; and can be used for protein sequencing
- Immobilon is available in minigel and large-format gel sizes

Cat. No.	Format	Membrane Size
<b>TM151-1</b>	Roll, 26.5cm × 3.75m	26.5cm × 3.75m
<b>TM151-4</b>	Sheets (Pack of 10)	15 × 15cm
<b>TM151-5</b>	Sheets (Pack of 10)	10 × 10cm



### Thermo Scientific Owl RF-3 Filing System

#### Ideal for organizing your refrigerator, coldroom, freezer or benchtop

- Eight compartments constructed of durable 0.64cm thick acrylic
- No skid rubber feet prevent sliding
- Use either vertically or horizontally

**Notes:** Microtube racks are not included

Cat. No.	Array	Compartments	Material	Exterior L × W × H	Interior L × W × D
<b>RF-3</b>	2 × 4	8	Sturdy 0.25" thick acrylic	6 × 9 × 12"	2.625 × 2.625 × 8.875"



### Thermo Scientific Owl Pipet Holder

#### Designed to hold standard glass and disposable pipets in square or round cans

Cat. No.	Description	Material	Exterior L × W × H	Interior L × W × H
<b>PCH-1</b>	Pipet Holder	Sturdy 0.25" thick acrylic	13.5 × 11.5 × 16"	3 × 3 × 11.25"

## Thermo Scientific Owl EC-105 Compact Power Supply

Ideal for DNA and RNA electrophoresis



- Equipped with an over current detector for maximum safety
- Easy-to-use power supply operates in constant voltage
- The adjustment knob and hi-lo range switch control the output, which is variable in 10V increments from 20V to 250V
- Two-position switch toggles the bright LED display from indicating output voltage to output current
- The supply is also equipped with an over current detector for maximum safety and has two jacks

**Warranty\*:** 1 year  
**Certifications:** CE marked

Cat. No.	Maximum Voltage	Max. Current	No. of Jacks	Display Modes	L × W × H	Electrical
105ECA-115	250V	300mA @ 150-250V; 500mA below 150V	1	Voltage or current	15 × 20 × 11cm (6 × 8 × 4.5in.)	115V/60Hz
105ECA-LVD	250V	300mA @ 150-250V; 500mA below 150V	1	Voltage or current	15 × 20 × 11cm (6 × 8 × 4.5in.)	230V/50Hz

Cat. No.	Description
112ECA	250V Power Supply Timer

## Thermo Scientific Owl EC-300XL2 Compact Power Supply

Simple-to-use, multi-purpose, lightweight and great for DNA/RNA and Pprotein electrophoresis



- Power-off memory retains settings after shut-down
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet provide stability

**Warranty\*:** 1 year  
**Certifications:** CE marked

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L × W × H	Electrical
EC300XL	300V	400mA	3	Voltage or current	0-999 min.	26 × 14 × 13.3cm (10.25 × 5.5 × 5.25in.)	120V 50/60Hz
EC300XL2	300V	400mA	3	Voltage or current	0-999 min.	26 × 14 × 13.3cm (10.25 × 5.5 × 5.25in.)	230V 50/60Hz

## Thermo Scientific Owl EC-200XL High Current Power Supply

Simple-to-use, multi-purpose, lightweight and great for DNA/RNA, protein and blotting electrophoresis



- Power-off memory retains settings after shut-down
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet provide stability

**Warranty<sup>†</sup>:** 1 year  
**Certifications:** CE marked

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L × W × H	Electrical
<b>EC200XL</b>	200V	2000mA	4	Voltage or current	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	120V 50/60Hz
<b>EC200XL2</b>	200V	2000mA	4	Voltage or current	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	230V 50/60Hz

## Thermo Scientific Owl EC-1000XL Programmable Power Supply

Great for DNA/RNA, protein and blotting electrophoresis



- Power-off memory retains settings after shut-down
- Offers constant power mode
- Stackable design saves benchtop space
- Soft-touch key pad allows quick set-up
- Designed for safety
- Non-skid rubber feet
- Easy to operate

**Warranty<sup>†</sup>:** 1 year  
**Certifications:** CE marked

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L × W × H	Electrical
<b>EC1000XL</b>	1000V	500mA	4	Voltage, current, or power	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	120V 50/60Hz
<b>EC1000XL2</b>	1000V	500mA	4	Voltage, current, or power	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	230V 50/60Hz

## Thermo Scientific Owl EC-3000XL Programmable Power Supply

**Simple-to-use, multi-purpose and lightweight**



- Power-off memory retains settings after shut-down
- Offers constant power mode
- Stackable design saves benchtop space
- Soft-touch key pad allows for quick set-up
- Designed for safety
- Non-skid rubber feet

**Warranty:** 1 year  
**Certifications:** CE marked

Cat. No.	Output Voltage	Max. Current	No. of Jacks	Display Modes	Timer	L × W × H	Electrical
<b>EC3000XL</b>	3000V	400mA	4	Voltage, current, or power	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	120V 50/60Hz
<b>EC3000XL2</b>	3000V	400mA	4	Voltage, current, or power	0-99 hr. 59 min.	31 × 27 × 13.3cm (12 × 10.75 × 5.25in.)	230V 50/60Hz

### Thermo Scientific Owl Power Supply Leads

- 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
<b>PSL-5</b>	Power supply leads, 3 ft. (includes one black and one red lead)