

ELECTROPHORESIS

Thermo Scientific* Owl* EasyCast* B1A Mini Gel Electrophoresis Systems



Thermo Scientific* Owl EasyCast B1A Mini Gel Electrophoresis Systems are an ideal size for every lab.

The Owl B1A EasyCast Mini Gel System is designed to provide flat, even banding patterns and consistent results with less hassle. This is the perfect size to determine molecular weight ranges of PCR fragments or larger sized DNA molecules. The 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 florescent 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 heavy-duty, one-piece, 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 |
|----------|----------------------------------|-------------------|------------------|--|-----------------------|--------------|
| B1A | EasyCast | Mini | 8 x 7cm | 16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75") | 400mL | 5 to 24 |
| B1A-BP | EasyCast w/Buffer exchange ports | Mini | 8 x 7cm | 16 x 10.5 x 9.5cm (6.31 x 4.13 x 3.75") | 400mL | 5 to 24 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* EasyCast B1A Mini Gel System Replacement Parts

| Cat. No. | Description |
|----------|--|
| B1A-UVT | EasyCast gasketed UVT gel tray |
| B1A-GK | Replacement gaskets (1 pair) |
| B1A-CST | External caster (trays & combs not included) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

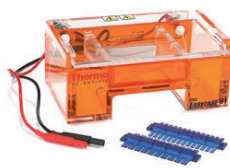
Thermo Scientific* Owl* EasyCast* B1A Mini Gel Electrophoresis System Combs

For use with the Thermo Scientific* Owl EasyCast B1A Mini Gel Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific* Owl EasyCast B1 Mini Gel Electrophoresis Systems are economical enough for every researcher to have one at their workstation.

The Owl B1 EasyCast Mini Gel System features leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required. The durability and ease of use makes this the perfect choice for students and high volume researchers.

- 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 florescent 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: 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 |
|----------|----------------------------------|-------------------|------------------|--|-----------------------|--------------|
| B1-PTM† | EasyCast | Mini | 11 x 9cm | 22 x 15 x 9.5cm (8.63 x 5.88 x 3.75") | 600mL | 5 to 34 |
| B1-BP | EasyCast w/buffer exchange ports | Mini | 11 x 9cm | 22 x 15 x 9.5cm (8.63 x 5.88 x 3.75") | 600mL | 5 to 34 |

† Please order using Cat. No. B1 when ordering the EasyCast system without buffer exchange ports.

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* EasyCast B1 Mini Gel System Replacement Parts

The compact, yet functional Thermo Scientific Owl EasyCast B1 Mini Gel System runs from 5 to 34 samples.

| Cat. No. | Description |
|----------|--|
| B1-UVT | EasyCast Gasketed UVT Gel Tray |
| B1-GK | Replacement Gaskets (1 pair) |
| B1-CST | External Caster (trays and combs not included) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* EasyCast* B1 Mini Gel Electrophoresis System Combs

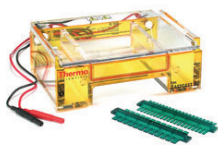
For use with the Thermo Scientific* Owl EasyCast B1 Mini Gel Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| B1-5C | Standard 5-tooth comb | 1.0mm / 15.4mm | 12µL | 40µL | 69µL | 98µL |
| B1-5D | Standard 5-tooth comb | 1.5mm / 15.4mm | 17µL | 61µL | 104µL | 147µL |

| 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 |
| B1-8C | Standard 8-tooth comb | 1.0mm / 9.0mm | 7µL | 24µL | 40µL | 57µL |
| B1-8D | Standard 8-tooth comb | 1.5mm / 9.0mm | 10µL | 35µL | 61µL | 86µL |
| B1-10 | Double-sided 10 tooth comb | 1.0 / 1.5mm / 6.8 / 6.8mm | 5 / 8µL | 18 / 27µL | 31 / 46µL | 43 / 65µL |
| B1-12C | Standard 12 tooth comb | 1.0mm / 5.4mm | 4µL | 14µL | 24µL | 34µL |
| B1-12D | Standard 12 tooth comb | 1.5mm / 5.4mm | 6µL | 21µL | 36µL | 51µL |
| B1-14 | Double-sided 14 tooth comb | 1.0 / 1.5mm / 4.4 / 4.4mm | 3 / 5µL | 11 / 17µL | 20 / 29µL | 28 / 42µL |
| B1-RL-9C‡ | Rapid-load 9 tooth (1X) comb | 1.0mm / 7.2mm | 5µL | 19µL | 32µL | 46µL |
| B1-RL-9D‡ | Rapid-load 9 tooth (1X) comb | 1.5mm / 7.2mm | 8µL | 28µL | 49µL | 69µL |
| B1-RL-17C‡ | Rapid-load 17 tooth (2X) comb | 1.0mm / 2.5mm | 2µL | 7µL | 12µL | 17µL |
| B1-RL-17D‡ | Rapid-load 17 tooth (2X) comb | 1.5mm / 2.5mm | 3µL | 11µL | 18µL | 26µL |
| B1-PREP | 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



Thermo Scientific Owl EasyCast B2 Mini Gel Electrophoresis Systems provide superior flexibility in a small footprint.

The simple to use casting method, and multiple comb and tray options, makes the EasyCast B2 Owl's most popular system.

The EasyCast systems feature leakproof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required. The EasyCast B2's longer gel length and the 2 comb slots provide the flexibility of running 8 to 48 samples on 1 gel. The optional multi 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 florescent 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 x W) | Footprint (L x W x H) | Running Buffer Volume | Sample Range |
|----------|----------------------------------|-------------------|------------------|--|-----------------------|--------------|
| B2 | EasyCast | Mini | 14 x 12cm | 24.5 x 18 x 9.5cm (9.63 x 7.06 x 3.75") | 800mL | 8 to 48 |
| B2-BP | EasyCast w/buffer exchange ports | Mini | 14 x 12cm | 24.5 x 18 x 9.5cm (9.63 x 7.06 x 3.75") | 800mL | 8 to 48 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* EasyCast* Mini Gel System Replacement Parts

Thermo Scientific EasyCast Mini Gel Systems provide flexibility in a very small footprint.

| Cat. No. | Description |
|----------|--------------------------------|
| B2-UVT | EasyCast gasketed UVT gel tray |
| B2-GK | Replacement gaskets (1 pair) |

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

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

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* EasyCast* B2 Mini Gel Electrophoresis System Combs

For use with the Thermo Scientific* Owl EasyCast B2 Mini Gel Electrophoresis Systems

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific* Owl B3 EasyCast Systems with Built-in Recirculation 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: Minigel system includes buffer chamber, SuperSafe* lid with attached power supply leads, EasyCast* gasketed UVT gel tray, as well as 12- and 20-well, double-sided 1.0/1.5mm thick combs.

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 |
|----------|-------------|-------------------|------------------|--------------------------------------|-----------------------|--------------|
| B3 | EasyCast | Mini | 14 x 12cm | 25 x 18 x 12cm (9.75 x 7 x 4.72") | 1000mL | 8 to 50 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* EasyCast* Mini Gel System Replacement Parts

Thermo Scientific EasyCast Mini Gel Systems provide flexibility in a very small footprint.

| Cat. No. | Description |
|----------|--------------------------------|
| B2-UVT | EasyCast gasketed UVT gel tray |
| B2-GK | Replacement gaskets (1 pair) |

Thermo Scientific* Owl* EasyCast* Mini Gel System Accessories

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

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* EasyCast* B3 Mini Gel Electrophoresis System Combs

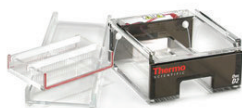
For use with the Thermo Scientific* Owl EasyCast B3 Mini Gel Electrophoresis Systems

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| B2-8C | Standard 8-tooth comb | 1.0mm / 12.5mm | 9µL | 33µL | 56µL | 80µL |

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



Thermo Scientific* Owl D2 Wide-Gel Electrophoresis System can 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 |
|----------|------------------------------|------------------|-----------------------------------|-----------------------|--------------|
| D2 | Wide | 14.4 x 10.2cm | 19 x 20 x 10cm (7.38 x 7.75 x 4") | 600mL | 10 to 80 |
| D2-BP | Wide w/buffer exchange ports | 14.4 x 10.2cm | 19 x 20 x 10cm (7.38 x 7.75 x 4") | 600mL | 10 to 80 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* D2 Wide-Gel System Replacement Parts

Thermo Scientific* Owl D2-Wide Gel System is great for protocols with large numbers of samples.

- 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 |
|----------|----------------------------------|
| D2-UVT | EasyCast gasketed UVT gel tray |
| D2-GK | Replacement gaskets (1 pair) |
| D2-CST | External caster (no trays/combs) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* D2 Wide-Gel Electrophoresis System Combs

For use with the Thermo Scientific* Owl D2 Wide-Gel Electrophoresis Systems

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| D1-10C | Standard 10-tooth comb | 1.0mm / 12.2mm | 9µL | 32µL | 55µL | 78µL |
| D1-10D | Standard 10-tooth comb | 1.5mm / 12.2mm | 14µL | 48µL | 82µL | 117µL |
| D1-20C | Standard 20-tooth comb | 1.0mm / 5.2mm | 4µL | 14µL | 23µL | 33µL |

| 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 |
| D1-20D | Standard 20-tooth comb | 1.5mm / 5.2mm | 6µL | 20µL | 35µL | 50µL |
| D1-30C‡ | Micro well 30-tooth (2X) comb | 1.0mm / 2.7mm | 5µL | 19µL | 32µL | 46µL |
| D1-30D‡ | Micro well 30-tooth (2X) comb | 1.5mm / 2.7mm | 8µL | 28µL | 49µL | 69µL |
| D1-40C | Standard 40-tooth comb | 1.0mm / 1.7mm | 1µL | 4µL | 8µL | 11µL |
| D1-40D | Standard 40-tooth comb | 1.5mm / 1.7mm | 2µL | 7µL | 11µL | 16µL |
| D1-MTC‡ | Micro well 15-tooth (1X) comb | 1.0mm / 7.2mm | 5µL | 19µL | 32µL | 46µL |
| D1-MTD‡ | Micro well 15-tooth (1X) comb | 1.5mm / 7.2mm | 8µL | 28µL | 49µL | 69µL |
| D2-RL-9C‡ | Rapid load 9-tooth (1X) comb | 1.0mm / 7.2mm | 5µL | 19µL | 32µL | 46µL |
| D2-RL-9D‡ | Rapid load 9-tooth (1X) comb | 1.5mm / 7.2mm | 8µL | 28µL | 48µL | 69µL |
| D2RL25C‡ | Rapid load 25-tooth (2X) comb | 1.0mm/2.5mm | 2µL | 7µL | 12µL | 17µL |
| D2-RL-25D‡ | 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



Thermo Scientific Owl D3-14 Horizontal Electrophoresis System is 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”
- Using special combs and a multichannel pipetter, samples may be loaded directly from a 96-well plate, 8 or 12 at a time
- Incorporates Owl's 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 x W) | Footprint (L x W x H) | Running Buffer Volume | Sample Range |
|----------|-------------------|------------------|-------------------------------------|-----------------------|--------------|
| D3-14 | Wide | 14 x 23cm | 30 x 27 x 11cm (11.8 x 10.6 x 4.3") | 800mL | 25 to 200 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* D3-14 System Replacement Parts

Thermo Scientific* Owl D3-14 Wide gel system offers a simple, convenient and fast method for screening multiple samples on a single agarose gel.

- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape; comb slots are positioned to enable up to 12 sample sets on the same gel

| Cat. No. | Description |
|-----------|----------------------------------|
| D3-UVT-14 | EasyCast* gasketed UVT Gel Tray |
| D3-GK | Replacement gaskets (1 pair) |
| D3-CST-14 | External caster (no trays/combs) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows shorter gels to be cast and run in one device

| Cat. No. | Description |
|----------|------------------------------|
| DAM-23 | Chameleon casting dam; 23cmW |

Thermo Scientific* Owl* D3-14 Horizontal Electrophoresis System Combs

For use with the Thermo Scientific* Owl D3-14 Horizontal Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

| Cat. No.† | Description | Thickness / Width of Teeth | RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume | | | | Price |
|--|-------------------------------|----------------------------|--|---------------------|----------------------|---------------------|-------|
| | | | 0.25cm gel thickness | 0.5cm gel thickness | 0.75cm gel thickness | 1.0cm gel thickness | |
| D3-MTC‡ | Micro well 25 (1X)-tooth comb | 1.0mm / 7.5mm | 6µL | 20µL | 34µL | 48µL | |
| D3-MTD‡ | Micro well 25 (1X)-tooth comb | 1.5mm / 7.5mm | 8µL | 30µL | 51µL | 72µL | |
| D3-MT2C‡ | Micro well 50 (2X)-tooth comb | 1.0mm / 3mm | 2µL | 8µL | 14µL | 19µL | |
| D3-MT2D‡ | Micro well 50 (2X)-tooth comb | 1.5mm / 3mm | 3µL | 12µL | 20µL | 29µL | |
| D3-WALL | 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



Thermo Scientific Owl A6 Horizontal Electrophoresis System is 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
- Using special combs and a multichannel pipetter, samples may be loaded directly from a 96-well plate, 8 or 12 at a time
- Incorporates Owl's 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: 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 |
|----------|-------------------|------------------|--|-----------------------|--------------|
| A6 | Wide | 25 x 23cm | 35 x 38 x 11cm (13.75 x 14.94 x 4.38") | 3.0L | 25 to 500 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* Model A6 Wide Gel Electrophoresis System Replacement Parts

The Thermo Scientific Owl A6 Wide Gel System offers a simple, convenient and fast method for screening multiple samples on a single agarose gel.

- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape

| Cat. No. | Description |
|----------|--------------------------------------|
| A6-UVT | UVT gel tray with gasketed end gates |
| A3-GK-1 | Replacement gaskets (1 pair) |
| A3-1-EG | Replacement end gates (1 pair) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows shorter gels to be cast and run in one device

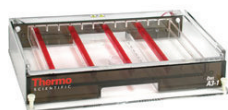
| Cat. No. | Description |
|----------|------------------------------|
| DAM-23 | Chameleon casting dam; 23cmW |

Thermo Scientific* Owl* A6 Horizontal Electrophoresis System Combs

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| D3-MTC‡ | Micro well 25 (1X)-tooth comb | 1.0mm / 7.5mm | 6µL | 20µL | 34µL | 48µL |
| D3-MTD‡ | Micro well 25 (1X)-tooth comb | 1.5mm / 7.5mm | 8µL | 30µL | 51µL | 72µL |
| D3-MT2C‡ | Micro well 50 (2X)-tooth comb | 1.0mm / 3mm | 2µL | 8µL | 14µL | 19µL |
| D3-MT2D‡ | Micro well 50 (2X)-tooth comb | 1.5mm / 3mm | 3µL | 12µL | 20µL | 29µL |
| D3-WALL | 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



Thermo Scientific Owl A3-1 Large-Gel Electrophoresis System is 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 x W) | Footprint (L x W x H) | Running Buffer Volume | Sample Range |
|----------|-------------------|------------------|--|-----------------------|--------------|
| A3-1 | Large | 40 x 23cm | 53 x 32 x 11cm (20.63 x 12.5 x 4.25") | 4.5L | 25 to 600 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* A3-1 Large Gel System Replacement Parts

The Thermo Scientific Owl A3-1 Large Gel System can run from 25 to 600 samples on one gel.

| Cat. No. | Description |
|----------|--------------------------------------|
| A3-UVT-1 | UVT gel tray with gasketed end gates |
| A3-1-EG | Replacement end gates (1 pair) |
| A3-GK-1 | Replacement gaskets (1 pair) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows shorter gels to be cast and run in one device

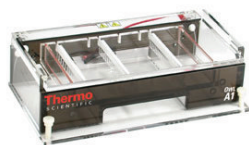
| Cat. No. | Description |
|----------|------------------------------|
| DAM-23 | Chameleon casting dam; 23cmW |

Thermo Scientific* Owl* A3-1 Horizontal Electrophoresis System Combs

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| D3-MTC‡ | Micro well 25 (1X)-tooth comb | 1.0mm / 7.5mm | 6µL | 20µL | 34µL | 48µL |
| D3-MTD‡ | Micro well 25 (1X)-tooth comb | 1.5mm / 7.5mm | 8µL | 30µL | 51µL | 72µL |
| D3-MT2C‡ | Micro well 50 (2X)-tooth comb | 1.0mm / 3mm | 2µL | 8µL | 14µL | 19µL |
| D3-MT2D‡ | Micro well 50 (2X)-tooth comb | 1.5mm / 3mm | 3µL | 12µL | 20µL | 29µL |
| D3-WALL | 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



Thermo Scientific* Owl A1 Large Gel Systems have the smallest footprint of a large format device, and is ideal for detailed RNA/DNA analysis.

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

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

Warranty: Three years

Certifications: CE marked

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

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* A1 Large Gel System Replacement Parts

- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape
- Comb slots are positioned so you can arrange up to 10 sample sets on the same gel
- Unique electrode placement allows this gel to be run quickly without compromising the resolution

| Catalog Number | Description |
|----------------|--------------------------------------|
| A1-UVT | UVT gel tray with gasketed end gates |
| A1-GK | Replacement gaskets (1 pair) |
| A1-EG | Replacement end gates (1 pair) |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows shorter gels to be cast and run in one device

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

Thermo Scientific* Owl* A1 Large Gel Electrophoresis System Combs

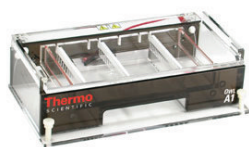
For use with the Thermo Scientific* Owl A1 Large Gel Electrophoresis Systems

Heavy duty, one piece combs eliminate comb assembly.

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

† Customized combs are available (Order SKU # XCM). Please contact your Customer Service Representative for further details.
‡ 8 and 12-channel pipette format (1X) and (2X) combs.

Thermo Scientific* Owl* A2 Large Gel Systems



Thermo Scientific Owl Horizontal A2 Large Gel Systems are 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 x W) | Footprint (L x W x H) | Running Buffer Volume | Sample Range |
|----------|--------------------------------|------------------|--|-----------------------|--------------|
| A2 | Large | 25 x 20cm | 37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1") | 2.3L | 8 to 432 |
| A2-BP | Large, w/buffer exchange ports | 25 x 20cm | 37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1") | 2.3L | 8 to 432 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* A2 Large Gel System Replacement Parts

| Cat. No. | Description |
|----------|--------------------------------------|
| 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



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows 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

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

Heavy duty, one piece combs eliminate comb assembly.

| 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. | | | | | | |

Thermo Scientific* Owl* A5 Large Gel System



Thermo Scientific Owl A5 Large Gel Systems feature 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 includes 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: 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 |
|----------|-------------------|------------------|--|-----------------------|--------------|
| A5 | Large | 25 x 20cm | 37.5 x 32.5 x 15cm (14.8 x 12.8 x 5.9") | 2.0L | 8 to 432 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* A5 Large Gel System Replacement Parts

| Cat. No. | Description |
|----------|--------------------------------------|
| 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



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* Casting Dams



Thermo Scientific Owl Casting Dams are high-quality aluminum dams that block off a portion of the gel tray, allowing shorter gels or gradient gels to be cast and run.

- 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
- Dam blocks off a portion of UVT gel tray
- Allows 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

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* A5 Large Gel Electrophoresis System Combs

Heavy duty, one piece combs eliminate comb assembly.

| 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.

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



Thermo Scientific Owl A2-OK Multiple Gel Electrophoresis System is 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 |
|----------|-------------------|------------------|--|-----------------------|--------------|
| A2-OK | Teaching | 8 x 7cm | 37.5 x 32.5 x 10.5cm (14.8 x 12.8 x 4.1") | 2.3L | 5 to 144 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* A2-OK Multi Gel System Replacement Parts

For use with Thermo Scientific* Owl* A2-OK Multi Gel Systems.

| Cat. No. | Description |
|----------|--|
| B1A-UVT | EasyCast gasketed UVT gel tray |
| B1A-GK | Replacement gaskets (1 pair) |
| B1A-CST | External caster (trays & combs not included) |
| A2-OT | Gel tray holder for A2-OK large gel system |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|--------------|
| BBL-1 | Bubble Level |

Thermo Scientific* Owl* A2-OK Multi Gel Electrophoresis System Combs

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl D4 Horizontal Electrophoresis System provides 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: 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 |
|----------|---|------------------|------------------------------------|-----------------------|--------------|
| D4 | Space Saving | 17 x 16cm | 23 x 27 x 14cm (9.1 x 10.6 x 5.5") | 1.8L | 17 to 102 |
| D4-BP | Space Saving, w/ buffer exchange ports | 17 x 16cm | 23 x 27 x 14cm (9.1 x 10.6 x 5.5") | 1.8L | 17 to 102 |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* D4 Horizontal Electrophoresis System Replacement Parts

Thermo Scientific Owl D4 system is ideal for optimal flexibility with space savings.

| Cat. No. | Description |
|----------|---------------------------------|
| D4-UVT | EasyCast* gasketed UVT gel tray |
| D4-GK | Replacement gaskets (1 pair) |
| D4-CST | External caster |

Thermo Scientific* Owl* Leveling Platform



Thermo Scientific Owl Leveling Platform is a three-point leveling platform that ensures a flat casting and running surface.

- 36 x 46cm: Large enough to accommodate most applications

Includes: Bubble level

| Cat. No. | Type |
|----------|-------------------|
| BBL-1 | Bubble Level |
| B-LP | Leveling Platform |

Thermo Scientific* Owl* D4 Horizontal Electrophoresis System Combs

For use with the Thermo Scientific* Owl D4 Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

| 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 |
| D4-17C‡ | Micro well 17-tooth comb | 1.0mm / 7.2mm | 5µL | 19µL | 32µL | 46µL |
| D4-17D‡ | 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



Thermo Scientific Owl P81 Single-Sided Vertical Electrophoresis System is an 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: Three years

Certifications: CE marked

| Cat. No. | Vertical System | Gel Size (L x W) | Footprint (L x W x H) | Running Buffer Volume | | |
|----------|-----------------|------------------|-------------------------------------|-----------------------|--------------|--------------|
| | | | | Upper Buffer | Lower Buffer | Total Buffer |
| P81 | Single Sided | 10 x 10cm | 18 x 8 x 13cm (7.1 x 3.1 x 5.1") | 100mL | 50mL | 150mL |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* P81 System Replacement Parts

For use with Thermo Scientific* Owl P81 systems

| Cat. No. | Description | Dimensions |
|----------|---|--|
| P81-009 | Supersafe* lid with attached power supply leads | — |
| P81-001 | Upper and lower buffer chambers | — |
| P8-GK | Orange replacement gaskets (1 pair) | — |
| P8-CL | Side clamps (1 pair) | — |
| R10446 | Wing knob | — |
| 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

Gel casters for use with Thermo Scientific Owl Vertical Electrophoresis Systems



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

Thermo Scientific* Owl* P8-Series System Combs

For use with the Thermo Scientific* Owl P8-Series Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl P82 Dual-Gel Electrophoresis System is an easy-to-use system that 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* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* P82 Dual Gel System Replacement Parts

Thermo Scientific Owl P82 Dual Gel System is one of the easiest systems to run and produces flat even banding and crisp resolution.

| Cat. No. | Description | Dimensions |
|-----------|---------------------------------|--|
| 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

Gel casters for use with Thermo Scientific Owl Vertical Electrophoresis Systems



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

Thermo Scientific* Owl* P8-Series System Combs

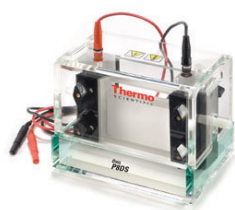
For use with the Thermo Scientific* Owl P8-Series Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl P8DS systems offer fast run times and easy operation for excellent results.

The Owl P8DS System can quickly and easily cast and run 1 or 2 gels in the same device. When used with the available combs, spacers, alumina and glass plates, it is the perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis.

The unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. The 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

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

Includes: Complete System includes 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 x W | Footprint (L x W x H) | Running Buffer | | |
|----------|----------------------------------|-----------------|----------------|--------------------------------------|----------------|--------------|-------|
| | | | | | Lower Buffer | Upper Buffer | Total |
| P8DS-1 | P8DS Complete System plus Caster | Double-sided | 8-10 x 10cm | 17 x 13 x 14cm (6.7 x 5.1 x 5.5") | 150mL | 150mL | 300mL |
| P8DS-2 | P8DS Complete System | Double-sided | 8-10 x 10cm | 17 x 13 x 14cm (6.7 x 5.1 x 5.5") | 150mL | 150mL | 300mL |
| P8DS-3 | P8DS Apparatus Only | Double-sided | 8-10 x 10cm | 17 x 13 x 14cm (6.7 x 5.1 x 5.5") | 150mL | 150mL | 300mL |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* P8DS Gel System Replacement Parts

The Thermo Scientific* Owl P8DS Gel System has fast run times and easy operation for excellent results.

| Cat. No. | Description | Dimensions |
|----------|---|--|
| P8DS-016 | Blocking Plate | — |
| P8DS-008 | Lower Buffer Chamber | — |
| P8DS-001 | Upper Buffer Chamber Assembly | — |
| P8DS-012 | Super Safe Lid with Attached Power Supply Leads | — |
| R12009 | Replacement gaskets (1 pair) | — |
| P8-CL | Side clamps (1 pair) | — |
| R10446 | Wing knob | — |
| ST-10 | Sponge Tips (Pack of 10) | — |
| 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

Gel casters for use with Thermo Scientific Owl Vertical Electrophoresis Systems



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

Thermo Scientific* Owl* P8-Series System Combs

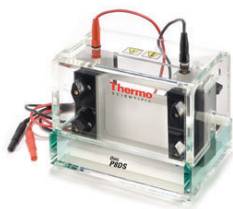
For use with the Thermo Scientific* Owl P8-Series Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl P9DS Dual-Gel Vertical Electrophoresis Systems are ideal for two-dimensional electrophoresis.

The Owl P9DS System can quickly and easily cast and run 1 or 2 gels in the same device. When used with the available combs, spacers, alumina and glass plates, it is the perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis.

The unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. The 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

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

Includes: Complete System includes 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 x W) | Footprint (L x W x H) | Running Buffer Volume | | |
|----------|----------------------------------|-----------------|------------------|--|-----------------------|--------------|-------|
| | | | | | Lower Buffer | Upper Buffer | Total |
| P9DS-1 | P9DS Complete System plus Caster | Double-sided | 14-16 x 16cm | 25 x 13 x 19.5cm (9.8 x 5.1 x 7.7") | 350mL | 200mL | 550mL |
| P9DS-2 | P9DS Complete System | Double-sided | 14-16 x 16cm | 25 x 13 x 19.5cm (9.8 x 5.1 x 7.7") | 350mL | 200mL | 550mL |
| P9DS-3 | P9DS Apparatus Only | Double-sided | 14-16 x 16cm | 25 x 13 x 19.5cm (9.8 x 5.1 x 7.7") | 350mL | 200mL | 550mL |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* P9DS Dual Gel System Replacement Parts

Thermo Scientific Owl P9DS Dual Gel System is the best device for two-dimensional electrophoresis.

| Cat. No. | Description | Dimensions |
|----------|---|--------------------------------|
| P9DS-006 | Blocking Plate | — |
| P9DS-008 | Lower Buffer Chamber | — |
| P9DS-001 | Upper Buffer Chamber Assembly | — |
| P9DS-012 | Super Safe Lid with Attached Power Supply Leads | — |
| P9-GK | Orange replacement gaskets (1 pair) | — |
| P9-CL | Side clamps; pack of 2 | — |
| R10446 | Wing knob | — |
| ST-10 | Sponge Tips (Pack of 10) | — |
| P1-SC | Spacer set (2 sides, 1 bottom) | 1.0cmW x 0.8mm thickness |
| P1-SD | Spacer set (2 sides, 1 bottom) | 1.0cmW x 1.5mm thickness |
| P1-14R | Notched glass | 14cmL x 16cmW x 1/8" thickness |
| P1-14G | Blank glass | 14cmL x 16cmW x 1/8" thickness |
| P1-14FR | Frosted notched glass | 14cmL x 16cmW x 1/8" thickness |
| P1-14FG | Frosted blank glass | 14cmL x 16cmW x 1/8" thickness |
| P1-12G | Offset glass | 12cmL x 16cmW x 1/8" thickness |

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

Gel casters for use with Thermo Scientific Owl Vertical Electrophoresis Systems



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

Thermo Scientific* Owl* P9DS System Combs

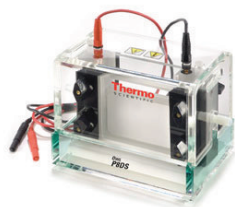
For use with the Thermo Scientific* Owl P9DS Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl P10DS Dual-Gel Vertical Electrophoresis Systems are the optimal device for a large number of samples that need extended separation and mobility shift assays.

The Owl P10DS Dual Gel System casts and runs one or two 20 × 20cm gels in the upper buffer chamber. The larger size cassette gives you the maximum number of samples and separation length. Ideal for second dimension protocols of 2-D electrophoresis applications.

- 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 includes 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: 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 |
| P10DS-1 | P10DS Complete System plus Caster | Double-sided | 20 × 20cm | 30.5 × 16.5 × 23cm (12 × 6.5 × 9") | 600mL | 650mL | 1250mL |
| P10DS-2 | P10DS Complete System | Double-sided | 20 × 20cm | 30.5 × 16.5 × 23cm (12 × 6.5 × 9") | 600mL | 650mL | 1250mL |
| P10DS-3 | P10DS Apparatus Only | Double-sided | 20 × 20cm | 30.5 × 16.5 × 23cm (12 × 6.5 × 9") | 600mL | 650mL | 1250mL |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* P10DS Dual Gel System Replacement Parts

Thermo Scientific Owl P10DS Dual Gel System is an optimal device for a large number of samples that need extended separation and mobility shift assays.

| Cat. No. | Description | Dimensions |
|-----------|---|--|
| P10DS-006 | Blocking Plate | — |
| P10DS-008 | Lower Buffer Chamber | — |
| P10DS-001 | Upper Buffer Chamber Assembly | — |
| P10DS-012 | Super Safe Lid with Attached Power Supply Leads | — |
| P10-GK | Orange replacement gaskets (1 pair) | — |
| P10-CL | Side Clamps (1 pair) | — |
| R10446 | Wing knob | — |
| ST-10 | Sponge Tips (Pack of 10) | — |
| P2-SC | Spacer Set (2 sides, 1 bottom) | 1.0cmW × 0.8mm thickness |
| P2-SD | Spacer Set/Spacer Set (2 sides, 1 bottom) | 1.0cmW × 1.5mm thickness |
| P2-20R | Notched glass | 20cmL × 20cmW × $\frac{3}{16}$ " thickness |
| P2-20G | Blank glass | 20cmL × 20cmW × $\frac{3}{16}$ " thickness |
| P2-20FR | Frosted notched glass | 20cmL × 20cmW × $\frac{3}{16}$ " thickness |
| P2-20FG | Frosted blank glass | 20cmL × 20cmW × $\frac{3}{16}$ " thickness |
| P2-18G | Offset glass | 18cmL × 20cmW × $\frac{3}{16}$ " thickness |
| P10-20R | Notched glass | 20cmL × 20cmW × $\frac{1}{8}$ " thickness |
| P10-20G | Blank glass | 20cmL × 20cmW × $\frac{1}{8}$ " thickness |

| | | |
|---------|--------------|---|
| P10-18G | Offset glass | 20cmL × 18cmW × $\frac{1}{8}$ " thickness |
|---------|--------------|---|

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

Gel casters for use with Thermo Scientific Owl Vertical Electrophoresis Systems



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

Thermo Scientific* Owl* P10-Series System Combs

For use with the Thermo Scientific* Owl P10-Series Electrophoresis System

Heavy duty, one piece combs eliminate comb assembly.

| Cat. No.† | Description | Thickness of teeth | Width of teeth | EST Well Volume |
|-----------|------------------------|--------------------|----------------|-----------------|
| P2-10C | Standard 10-tooth comb | 0.8mm | 13.6mm | 239µL |
| P2-10D | Standard 10-tooth comb | 1.5mm | 13.6mm | 449µL |
| P2-15C | Standard 15-tooth comb | 0.8mm | 8.2mm | 144µL |
| P2-15D | Standard 15-tooth comb | 1.5mm | 8.2mm | 271µL |
| P2-20C | Standard 20-tooth comb | 0.8mm | 5.5mm | 97µL |
| P2-20D | Standard 20-tooth comb | 1.5mm | 5.5mm | 182µL |
| P2-25C | Standard 25-tooth comb | 0.8mm | 3.9mm | 69µL |
| P2-25D | Standard 25-tooth comb | 1.5mm | 3.9mm | 129µL |
| P2-PREP | 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



Thermo Scientific* Owl Aluminum-Backed Sequencers are manual systems that provide 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, leak-proof 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), 2 Spacer sets (0.4mm), Adhesive temperature indicator

Warranty: Three years

Certifications: CE marked

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

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* S4S Aluminum Backed Sequencer System Replacement Parts

Thermo Scientific Owl S4S Aluminum Backed Sequencer System has easy set-up with even head distribution for "smile" free results.

| Cat. No. | Description |
|----------|--|
| S3S-CL | Side Clamp (1 pair) |
| R10384 | Buffer Drain Bottle |
| S4S-GK | Replacement Gasket |
| ST-10 | Sponge Tips (Pack of 10) |
| TEMP-5 | Adhesive Temperature Indicator (Pack of 5) |
| STK-10 | Stopcocks (1 pair) |
| S3S-KNOB | Replacement Knob (Pack of 6) |

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

For use with Thermo Scientific Sequencing Gel Casting Systems

| Cat. No. | Description | Dimensions |
|----------|--------------------------------|--|
| S2S-SA4 | Spacer Set (2 sides, 1 bottom) | 1.0cmW x 0.4mm thickness |
| S2S-SA2 | Spacer Set (2 sides, 1 bottom) | 1.0cmW x 0.2mm thickness |
| S2S-SAW | Wedge (Pack of 2) | 1.0cmW x 0.4 - 0.8mm thickness |
| S1S-45R | Notched Glass | 45cmL x 20cmW x $\frac{3}{16}$ " thickness |
| S1S-45G | Blank Glass | 45cmL x 20cmW x $\frac{3}{16}$ " thickness |
| S1S-43G | Offset Glass | 43cmL x 20cmW x $\frac{3}{16}$ " thickness |

Thermo Scientific* Owl* SGC-1 Sequencing Gel Casters

Thermo Scientific Owl SGC-1 Sequencing Gel Casters use a simple method that permits bubble-free gels to be cast in less than three minutes.



A 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 x W) | Footprint (L x W x H) |
|----------|------------------|-------------------------------------|
| SGC-1 | 48 x 20-42cm | 71 x 21 x 12.2cm (28 x 8.25x 4.75") |

Thermo Scientific* Owl* S4S System Combs

For use with the Thermo Scientific* Owl S4S System Combs

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific Owl S3S Aluminum-Backed Sequencers are the 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 leak-proof 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: Three years

Certifications: CE marked

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

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* S3S Aluminum Backed Sequencer System Replacement Parts

For use with the Thermo Scientific* Owl S3S Aluminum Backed Sequencer System

| Cat. No. | Description |
|----------|--|
| S3S-CL | Side Clamp (1 pair) |
| R10383 | Buffer drain bottle |
| S3S-GK | Replacement Gasket |
| ST-10 | Sponge Tips (Pack of 10) |
| TEMP-5 | Adhesive Temperature Indicator (Pack of 5) |
| STK-10 | Stopcocks (1 pair) |
| S3S-KNOB | Replacement Knob (Pack of 6) |

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

For use with Thermo Scientific Sequencing Gel Casting Systems

| Cat. No. | Description | Dimensions |
|----------|--------------------------------|--|
| S2S-SA4 | Spacer Set (2 sides, 1 bottom) | 1.0cmW x 0.4mm thickness |
| S2S-SA2 | Spacer Set (2 sides, 1 bottom) | 1.0cmW x 0.2mm thickness |
| S2S-SAW | Wedge (Pack of 2) | 1.0cmW x 0.4 - 0.8mm thickness |
| S2S-45R | Notched Glass | 45cmL x 35cmW x $\frac{3}{16}$ " thickness |
| S2S-45G | Blank Glass | 45cmL x 35cmW x $\frac{3}{16}$ " thickness |
| S2S-43G | Offset glass | 43cmL x 35cmW x $\frac{3}{16}$ " thickness |

Thermo Scientific* Owl* SGC-1 Sequencing Gel Casters



Thermo Scientific Owl SGC-1 Sequencing Gel Casters use a simple method that permits bubble-free gels to be cast in less than three minutes.

A 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 x W) | Footprint (L x W x H) |
|----------|------------------|-------------------------------------|
| SGC-1 | 48 x 20-42cm | 71 x 21 x 12.2cm (28 x 8.25x 4.75") |

Thermo Scientific* Owl* S3S System Combs

For use with the Thermo Scientific* Owl S3S System Combs

Heavy duty, one piece combs eliminate comb assembly.

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



Thermo Scientific* Owl JGC-4 Gel Casting Systems are vertical protein gel casters that offer a 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 [METRIC] |
|----------|--------------------|-----------|--------------------|
| JGC-4 | Owl P8DS, P82, P81 | 10 × 10cm | 13 × 13 × 11cm |

Thermo Scientific* Owl* JGC-4 Gel Casting System Replacement Parts

| Cat. No. | Description | Dimensions |
|----------|--------------------------|------------|
| GP4-100 | Gel Pouches; Pack of 100 | 10 × 10cm |
| GP4-25 | Gel Pouches; Pack of 25 | 10 × 10cm |
| JG4-PL | Spacer Placer; Pack of 3 | — |
| JGC4-006 | Blocking Plate; Each | 10 × 10cm |
| R10013 | Leveling screws | 1”L |
| R10014 | Clamping screws | 2”L |

Thermo Scientific* Owl* JGC-2 Gel Casting Systems



Thermo Scientific Owl JGC-2 Gel Casting Systems are vertical protein gel casters that offer a 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 plunger, 25 gel pouches, clamping screws, bubble level and leveling screws

Certifications: CE marked

| Cat. No. | Compatible With | Gel Size | Footprint (L x W x H) |
|----------|-----------------|-----------|-----------------------|
| JGC-2 | Owl P9DS | 14 x 16cm | 17 x 18 x 15cm |

Thermo Scientific* Owl* JGC-2 Gel Casting System Replacement Parts

| Cat. No. | Description | Dimensions (L x W) |
|----------|--------------------------|--------------------|
| GP2-100 | Gel Pouches; Pack of 100 | 14 x 16cm |
| GP2-25 | Gel Pouches; Pack of 25 | 14 x 16cm |
| JG2-PL | Spacer Placer; Pack of 3 | — |
| JGC2-003 | Blocking Plate; Each | 14 x 16cm |
| R10013 | Leveling screws | 1"L |
| R10014 | Clamping screws | 2"L |

Thermo Scientific* Owl* JGC-3 Gel Casting Systems



Thermo Scientific Owl JGC Gel Casting Systems are vertical protein gel casters that offer a 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 | Footprint (L x W x H) |
|----------|-----------------|-----------|-----------------------|
| JGC-3 | Owl P10DS | 20 x 20cm | 23 x 17 x 17cm |

Thermo Scientific* Owl* JGC-3 Gel Casting System Replacement Parts

| Cat. No. | Description | Dimensions (L x W) |
|----------|--------------------------|--------------------|
| GP3-100 | Gel Pouches; Pack of 100 | 20 x 20cm |
| GP3-25 | Gel Pouches; Pack of 25 | 20 x 20cm |
| JG3-PL | Spacer Placer; Pack of 3 | — |
| JGC-003 | Blocking plate; Each | 20 x 20cm |
| R10013 | Leveling screws | 1"L |
| R10014 | Clamping screws | 2"L |

Thermo Scientific* Owl* Gradient Gel Casters



Thermo Scientific Owl Gradient Gel Casters are one of the more simple devices to cast gradient gels.

- 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 × W) | Footprint (L × W × H) | Compatible Owl Units |
|----------|---------------------|------------------|-----------------------------------|----------------------|
| P7-CST | Gradient Gel Caster | 10 × 10cm | 15 × 13 × 13cm (5.8 × 5.1 × 5.1") | P81, P82, P8DS |
| P1-CST | Gel Caster | 14 × 16cm | 20 × 13 × 18cm (7.9 × 5.1 × 7") | P9DS |
| P2-CST | Gel Caster | 20 × 20cm | 25 × 13 × 23cm (9.8 × 5.1 × 9") | P10DS |

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

Binder clamps for Thermo Scientific* Owl CST Multiple Gradient Gel Casters

| Cat. No. | Description |
|----------|------------------------------------|
| CL-12 | Binder clamps (pk. of 12) |
| CL-125 | Stainless-steel clamps (pk. of 12) |

Thermo Scientific* Owl* SGC Sequencing Gel Casters



Thermo Scientific Owl SGC Sequencing Gel Casters use a simple method that permits bubble-free gels to be cast in less than three minutes.

A 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 |
|----------|--------------------|---------------------------------------|----------------------|
| SGC-1 | 48 x 20-42cm | 71 x 21 x 12.2cm (28 x 8.25 x 4.75") | S4S, S3S |
| SGC-2 | 65.5 x 20-42cm | 102 x 21 x 12.2cm (40 x 8.25 x 4.75") | S4S, S3S |

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

Binder clamps for Thermo Scientific* Owl CST Multiple Gradient Gel Casters

| Cat. No. | Description |
|----------|------------------------------------|
| CL-12 | Binder clamps (pk. of 12) |
| CL-125 | Stainless-steel clamps (pk. of 12) |

Thermo Scientific* Owl* Gel-Drying Kits



Thermo Scientific Owl Gel-Drying Kits preserve protein gels easily and economically, while eliminating distortion problems common in other drying procedures.

- Available in minigel and large format sizes
- Convenient method of preserving gels by air drying them between two sheets of cellophane
- 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 |
|----------|--------------------------------|-----------|
| GDF-10 | Gel-Drying Kit, Minigel Format | 14 x 14cm |
| GDF-20 | Gel-Drying Kit, Large Format | 24 x 24cm |

Thermo Scientific* Owl* Gel Drying Kit Accessories

Drying frames and pre-cut cellophane for use with Thermo Scientific* Owl Gel Drying Kits.

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

Thermo Scientific* Owl* Gel Staining Box



Thermo Scientific* Owl Gel Staining Box is resistant to most organic dyes, silver and other stains.

- Permits staining, fixing and destaining in the same container
- 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 |
|----------|------------------------------|----------|
| GSB-3 | 11 x 11 x 3cm | 125mL |

Thermo Scientific* Owl* Blotting Paper

Thermo Scientific Owl Blotting Paper is 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.

- High purity, 100% cotton fiber
- Available in pre-cut mini gel and large format gel sizes
- Compatible with Owl electroblotting systems

Ordering Information: Sold in packs of 100 sheets

| Specifications | |
|----------------|---------------------|
| Material | 100% cotton fiber |
| Weight | 183g/m ² |
| Thickness | 0.83mm |
| Flowrate | 35mL/min. |

| Cat. No. | Dimensions | Compatible Blotter |
|----------|------------|--------------------|
| FP-1 | 20 × 20cm | HEP-1 |
| FP-2 | 35 × 45cm | HEP-3 |
| FP-3 | 46 × 57cm | — |
| FP-4 | 10 × 10cm | HEP-1, VEP-2 |
| FP-5 | 18 × 20cm | HEP-1, VEP-3 |
| FP-6 | 9 × 9cm | HEP-1, VEP-3 |
| FP-7 | 12 × 16cm | HEP-1 |

Thermo Scientific* Owl* Transfer Membranes



Thermo Scientific Owl Transfer Membranes are hydrophobic membranes that are ideal for Western blotting.

- Thermo Scientific offers Immobilon*-P, PVDF transfer membrane manufactured by Millipore
- 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 |
|----------|----------------------|----------------|
| TM151-1 | Roll, 26.5cm x 3.75m | 26.5cm x 3.75m |
| TM151-4 | Sheets (Pack of 10) | 15 x 15cm |
| TM151-5 | Sheets (Pack of 10) | 10 x 10cm |

Thermo Scientific* Owl* RF-3 Filing System



Thermo Scientific Owl RF-3 Filing System is 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 | Exterior L x W x H | Interior L x W x D |
|----------|-------|--------------|--------------------|------------------------|
| RF-3 | 2 x 4 | 8 | 6 x 9 x 12" | 2.625 x 2.625 x 8.875" |

Thermo Scientific* Owl* Pipet Holder



Thermo Scientific Owl Pipet Holder is designed to hold standard glass and disposable pipets in square or round cans.

- Constructed of sturdy 0.25" thick acrylic

| Cat. No. | Description | Exterior L x W x H | Interior L x W x H |
|----------|--------------|--------------------|--------------------|
| PCH-1 | Pipet Holder | 13.5 x 11.5 x 16" | 3 x 3 x 11.25" |

Thermo Scientific* Owl* Survey Detectors



Thermo Scientific Owl Survey Detectors provide detection of isotopes most commonly used in the lab.

- Each meter provides a standard scale of 0 to 5KCPM and reads both CPM and REM
- Meters have a counting range of 0.1X, 1X, 10X and 100X and will provide external calibration plots
- A built-in speaker, clip-on probe handle, and strain relief cable maximize ease of use
- Each meter is factory calibrated to ensure accuracy
- Models for the detection of beta or low-energy gamma radiation are available
- Choose beta detectors in thin-end or pancake styles

Required Accessories: Meters require two “D” batteries, which will provide approximately 200 hours of use

Certifications: CE marked

| Cat. No. | Description | Indicated Use | Window (mg/cm ²) | Active Window (cm ²) |
|----------|-----------------------------------|---------------|------------------------------|----------------------------------|
| SM-1 | Thin-end beta detector with meter | xβ- | 1.7±0.3 (mica) | approx. 6.4 |
| SM-1-DET | Thin-end beta detector only | xβ- | 1.7±0.3 (mica) | approx. 6.4 |
| SM-2 | Pancake beta detector with meter | xβ- | 1.7±0.3 (mica) | approx. 15.5 |
| SM-2-DET | Pancake beta detector only | xβ- | 1.7±0.3 (mica) | approx. 15.5 |
| SM-3 | Gamma scintillator with meter | low energy γ | 14 | 5.0 |
| SM-3-DET | Gamma scintillator only | low energy γ | 14 | 5.0 |

Thermo Scientific* Owl* EC-105 Compact Power Supply



Thermo Scientific Owl EC-105 Compact Power Supply is 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: One year

Certifications: CE marked

| Specifications | |
|-------------------------|------------------------------------|
| Maximum Voltage | 250V |
| Max. Current | 300mA @ 150-250V; 500mA below 150V |
| No. of Jacks | 2 |
| Display Modes | Voltage or current |
| L x W x H | 15 x 20 x 11 cm (6 x 8 x 4.5") |
| Electrical Requirements | 230V/50Hz |

| Cat. No. | Description |
|------------|----------------------|
| 105ECA-LVD | Compact Power Supply |

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



Thermo Scientific Owl EC-300XL Compact Power Supply is simple-to-use, multi-purpose, lightweight and great for DNA / RNA and Protein electrophoresis.

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

Warranty: One year

Certifications: CE marked

| Specifications | |
|-------------------------|--|
| Output Voltage | 300V |
| Max. Current | 400mA |
| No. of Jacks | 3 |
| Display Modes | Voltage or current |
| Timer | 0-999 min. |
| L x W x H | 26 x 14 x 13.3cm (10.25 x 5.5 x 5.25") |
| Electrical Requirements | 230V 50/60Hz |

| Cat. No. | Description |
|-----------|----------------------|
| EC-300XL2 | Compact Power Supply |

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



The Thermo Scientific Owl EC-200XL High Current Power is 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
- Easy to operate
- Designed for safety
- Non-skid rubber feet provide stability

Warranty: One year

Certifications: CE marked

| Specifications | |
|-------------------------|---------------------------------------|
| Output Voltage | 200V |
| Max. Current | 2000mA |
| No. of Jacks | 4 |
| Display Modes | Voltage or current |
| Timer | 0-99 hr. 59 min. |
| L x W x H | 31 x 27 x 13.3cm (12 x 10.75 x 5.25") |
| Electrical Requirements | 230V 50/60Hz |

| Cat. No | Description |
|-----------|---------------------------|
| EC-200XL2 | High Current Power Supply |

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



Thermo scientific Owl EC-1000XL Programmable Power Supply is 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
- Easy to operate
- Designed for safety
- Non-skid rubber feet

Warranty: One year

Certifications: CE marked

| Specifications | |
|-------------------------|---------------------------------------|
| Output Voltage | 1000V |
| Max. Current | 500mA |
| No. of Jacks | 4 |
| Display Modes | Voltage, current, or power |
| Timer | 0-99 hr. 59 min. |
| L x W x H | 31 x 27 x 13.3cm (12 x 10.75 x 5.25") |
| Electrical Requirements | 230V 50/60Hz |

| Cat. No. | Description |
|------------|---------------------------|
| EC-1000XL2 | Programmable Power Supply |

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



The Thermo Scientific Owl EC-3000XL Programmable Power is 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
- Easy to operate
- Designed for safety
- Non-skid rubber feet

Warranty: One year

Certifications: CE marked

| Specifications | |
|-------------------------|---------------------------------------|
| Output Voltage | 3000V |
| Max. Current | 400mA |
| No. of Jacks | 4 |
| Display modes | Voltage, current, or power |
| Timer | 0-99 hr. 59 min. |
| L x W x H | 31 x 27 x 13.3cm (12 x 10.75 x 5.25") |
| Electrical Requirements | 230V 50/60Hz |

| Cat. No. | Description |
|------------|---------------------------|
| EC-3000XL2 | Programmable Power Supply |

Thermo Scientific* Owl* Power Supply Leads

Thermo Scientific Owl Power Supply Leads are three feet long with a retractable sheath end for convenience and safety.

- Manufactured with a strain relief cord to prevent breakage

Includes: One black and one red lead

| Cat. No. | Description |
|----------|---------------------------|
| PSL-5 | Power supply leads, 3 ft. |

Thermo Scientific* Owl* PSA-2 Bio-Rad* Adapter

Thermo Scientific Owl PSA-2 Bio-Rad Adapter is used to extend Owl power supply leads to fit in the BioRad power supplies.

- Allows all Owl units to fit Bio-Rad power supplies

| Cat. No. | Description |
|----------|----------------|
| PSA-2 | BioRad Adaptor |