

Thermo Scientific Owl D3-14 Horizontal Electrophoresis System

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



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

Includes: Buffer chamber, SuperSafe* lid with attached power cords, EasyCast* gasketed UVT gel tray, external caster, four combs (50 micro well, 1.5mm thick).

Warranty*: Three years

Certifications: CE marked

Cat. No.	Horizontal System	Gel Size (L × W)	Footprint (L × W × H)	Running Buffer Volume	Sample Range
D3-14	Wide	14 × 23cm	30 × 27 × 11cm (11.8 × 10.6 × 4.3in.)	800mL	25 to 200

Thermo Scientific Owl D3-14 System Replacement Parts

- Power supply leads include a retractable sheath end for convenience and safety
- Power supply leads are manufactured with strain relief cord to prevent breakage
- UVT gel tray incorporates gasketed end gates which provide a leakproof seal without tape
- Comb slots are positioned so you can arrange up to 12 sample sets on the same gel

Cat. No.	Description
PSL-5	Power supply leads, 3 ft. (Includes one black and one red lead)
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

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

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



Thermo Scientific Owl Casting Dams

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

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

Thermo Scientific Owl D3-14 Horizontal Electrophoresis System Combs

Cat. No.†	Description	Thickness / Width of Teeth	RECOMMENDED LOADING VOLUMES Calculated at 75% of total well volume			
			0.25cm gel thickness	0.5cm gel thickness	0.75cm gel thickness	1.0cm gel thickness
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.