



Horizontal Gel Units

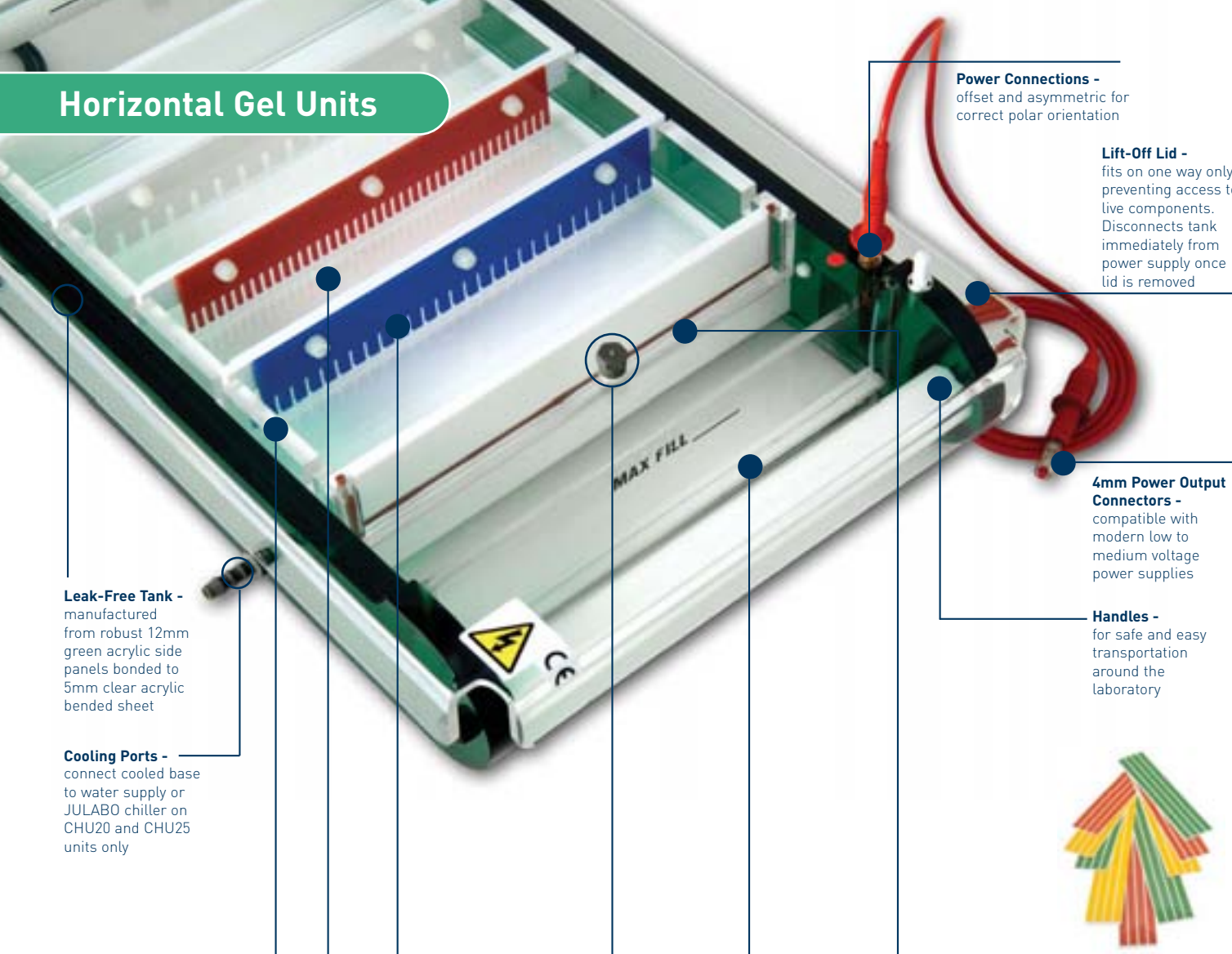
Scie-Plas horizontal gel electrophoresis units offer the ultimate standards in innovative design and manufacture, acquired during our 20-year existence.

Each model incorporates the many design and safety features recommended to us by scientists, either from within our in-house product development team or laboratories worldwide. As a result, all our models are manufactured and finished to the highest specification, easy to use, and, with safety always paramount, CE-marked - conforming to the latest European safety regulations.

BENEFITS INCLUDE

- Robust acrylic tank construction 12mm walls, leak proof
- Safety lid with integral power leads
- Shrouded 4mm power output connectors universally compatible with modern-day low to medium voltage power supplies
- Long-life, 99.99 % pure platinum electrodes
- Gold-plated terminals with corrosion-free stainless steel washers
- Durable high-impact polystyrene (HIPS) combs
- UV-transparent acrylic gel-casting trays
- Offset asymmetric electrodes
- Colour-coded combs corresponding to 1, 1.5 and 2mm thicknesses

Horizontal Gel Units



Leak-Free Tank - manufactured from robust 12mm green acrylic side panels bonded to 5mm clear acrylic banded sheet

Cooling Ports - connect cooled base to water supply or JULABO chiller on CHU20 and CHU25 units only

Gel Casting Tray - UV transparent with comb slots and end-grooves for seating casting gates

White Gel Table - for easier visualisation of marker dyes and samples as they migrate through the gel

Combs - height-adjustable in Green Range units and colour-coded for thickness

Buffer Recirculation Ports - can be connected to a peristaltic pump, available on HU13, HU13W, HU13L, HU15, CHU20, HU20, CHU25 and HU25 units only

0.2mm Platinum Electrodes - 99.9% purity and user-replaceable

Power Connections - offset and asymmetric for correct polar orientation

Lift-Off Lid - fits on one way only, preventing access to live components. Disconnects tank immediately from power supply once lid is removed

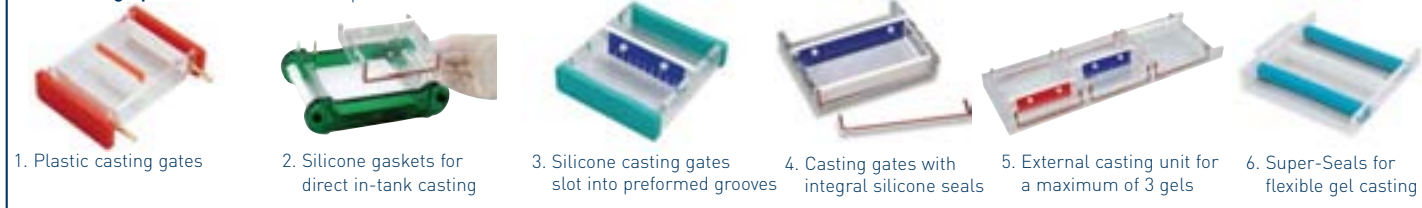
4mm Power Output Connectors - compatible with modern low to medium voltage supplies

Handles - for safe and easy transportation around the laboratory



Coloured strips - enhance sample visibility during loading

Gel Casting Options - available in multiple internal and external formats



CASTING OPTION AVAILABLE WITH THE GREEN RANGE HORIZONTALS

CASTING OPTION	HB-SET	H1-SET	HU6	HU10	HU10W	HU13	HU13W	HU13L	HU15	HU20	CHU20	HU25	CHU25
1. Plastic casting gates	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
2. Silicone gaskets	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
3. Silicone casting gates	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
4. Casting gates with integral silicone seals	✗	✗	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓
5. External casting unit	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
6. Super-Seals™	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The Scie-Plas horizontal range entails five individual series determined by gel tray size and sample throughput: -

The **MINI** and **MINI-PLUS** series, which comprise the HB-SET, H1-SET, HU6, HU10 and HU10W units, are ideal for screening and analysis of a wide range of samples, including PCR products, DNA mini-preps, plasmid vectors and restriction fragments. Each unit's compact size optimises the gel conditions and voltage gradient, allowing fast resolution of nucleic acids.

COMPLETE SYSTEM	APPLICATIONS			Part No.
	Teaching	Routine preparatory / analytical gel electrophoresis	Low throughput nucleic acid screening	
MINI				
Battery-powered horizontal mini-gel unit with built-in 6 x 7.5cm (W x L) casting tray	✓	✗	✗	HB-SET
'Easigel' fast-mini horizontal gel unit with built-in 10 x 8cm (W x L) casting tray	✓	✓	✗	H1-SET
Mini horizontal gel unit with removable 6 x 7.5cm (W x L) casting tray	✗	✓	✗	HU6
MINI-PLUS				
Mini-Plus horizontal gel unit with removable 10 x 11.5cm (W x L) casting tray	✗	✓	✓	HU10
Mini-Plus Wide Format horizontal gel unit with removable 14.4 x 10.2cm (W x L) casting tray	✗	✓	✓	HU10W

The **MIDI** series, which includes the HU13, HU13W and HU13L units, accommodates standard gels for medium throughput analysis and preparation of nucleic acids, while the newly launched **STANDARD** HU15 unit provides the same comb-throughput and tray-size options as the current market leader, but with additional casting options.

COMPLETE SYSTEM	APPLICATIONS			Part No.
	Preparatory gel electrophoresis	Analytical gel electrophoresis	Medium throughput nucleic acid screening	
MIDI				
Midi horizontal gel unit with removable 12.8 x 15cm (W x L) casting tray	✗	✓	✓	HU13
Wide Format Midi horizontal gel unit with removable 23 x 14cm (W x L) casting tray	✗	✓	✓	HU13W
Long Format Midi horizontal gel unit with removable 13 x 25cm (W x L) casting tray	✗	✓	✓	HU13L
STANDARD				
Standard Format Midi horizontal gel unit with removable 15 x 15cm (W x L) casting tray	✓	✓	✓	HU15

The **MAXI** and **MAXI-PLUS** series, available in standard (HU20 and HU25) and cooled (CHU20 and CHU25) formats, are designed for the rapid, medium to high throughput screening of nucleic acids, such as HLA typing in population genetics studies. The cooled bases within the CHU20 and CHU25 units make these units ideal for hospital, university and industrial laboratories, which need to perform fast, large-scale analysis of nucleic acids at high voltage, but without compromising resolution.

COMPLETE SYSTEM	APPLICATIONS		Part No.
	Medium throughput nucleic acid screening	High throughput nucleic acid screening	
MAXI			
Maxi-Standard horizontal gel unit with removable 20 x 20cm (W x L) casting tray	✓	✗	HU20
Maxi-Cooled horizontal gel unit with removable 20 x 20cm (W x L) casting tray	✓	✗	CHU20
MAXI-PLUS			
Maxi-Plus Standard horizontal gel unit with removable 25 x 30cm (W x L) casting tray	✓	✓	HU25
Maxi-Plus Cooled horizontal gel unit with removable 25 x 30cm (W x L) casting tray	✓	✓	CHU25