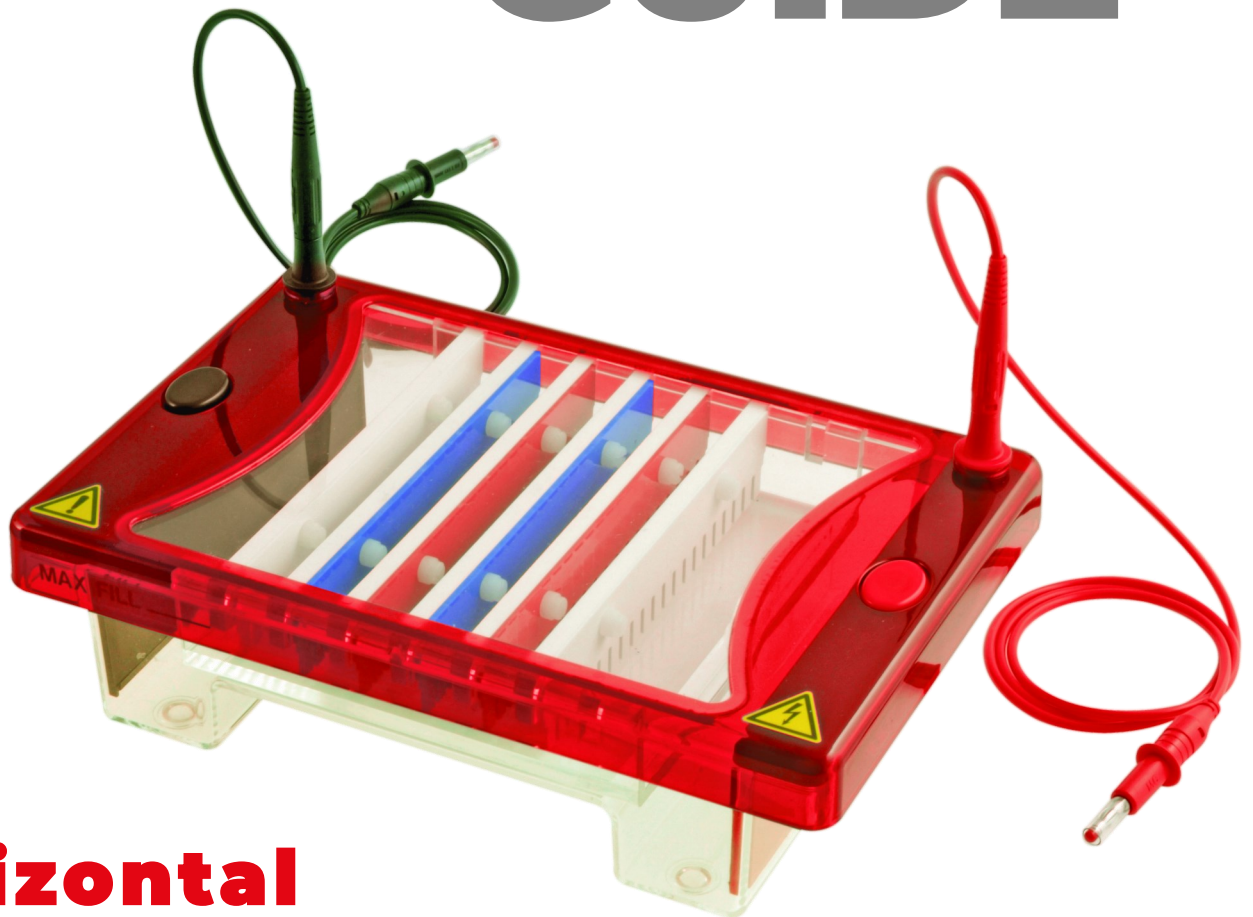


# SYNGENE PRODUCT GUIDE



## Horizontal Electrophoresis

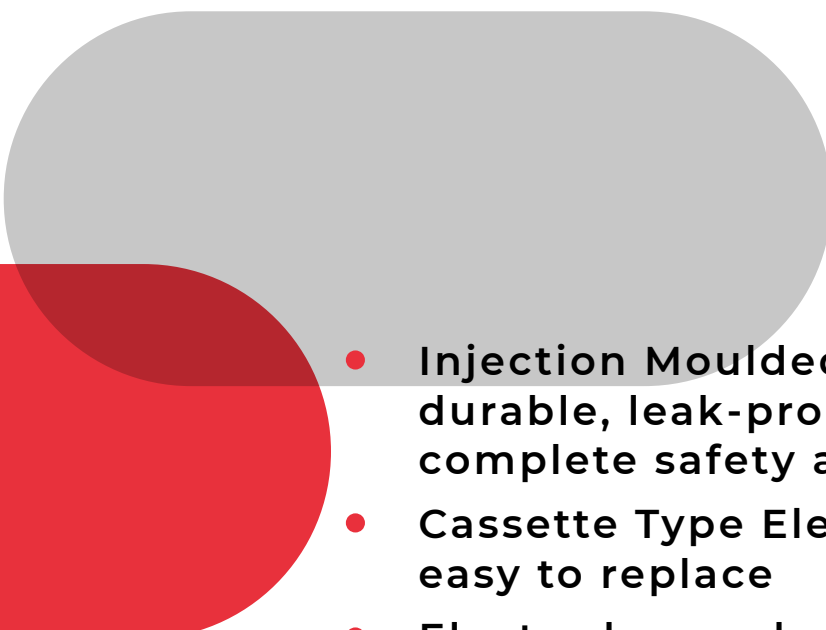


The **Syngene** series of Horizontal Gel Units offers the most versatile solution for DNA and RNA agarose gel electrophoresis currently available.

Gel size and sample number requirements can be exactly matched in each unit, with the option of additional gel tray sizes.

All units feature removable UV transparent trays. Easy to use, leak proof 'plug and go' gel casting dams are included as standard to allow gels to be rapidly cast whilst the unit is in use for gel running.

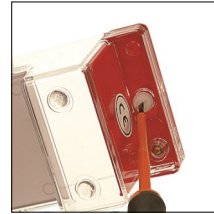
Connectors are compatible with most major power supplies, adapters are available to provide complete compatibility.

- 
- **Injection Moulded Construction - durable, leak-proof environment for complete safety and long life**
  - **Cassette Type Electrodes - inexpensive, easy to replace**
  - **Electrodes made of 99.99% corrosion resistant, pure platinum**
  - **Electrical Safety - lid can be attached in a single orientation. On removal, power is disconnected from buffer chamber**
  - **Multiple Gel Trays - eliminate the need for additional gel tanks**
  - **Unique gel cooling system**
  - **Easy Click Lid Removal**

# gel trays

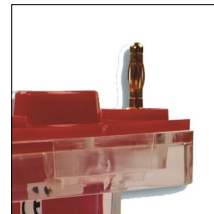


Gel trays are UV transparent and free of indentations or casting gate channels which can interfere with sample progression



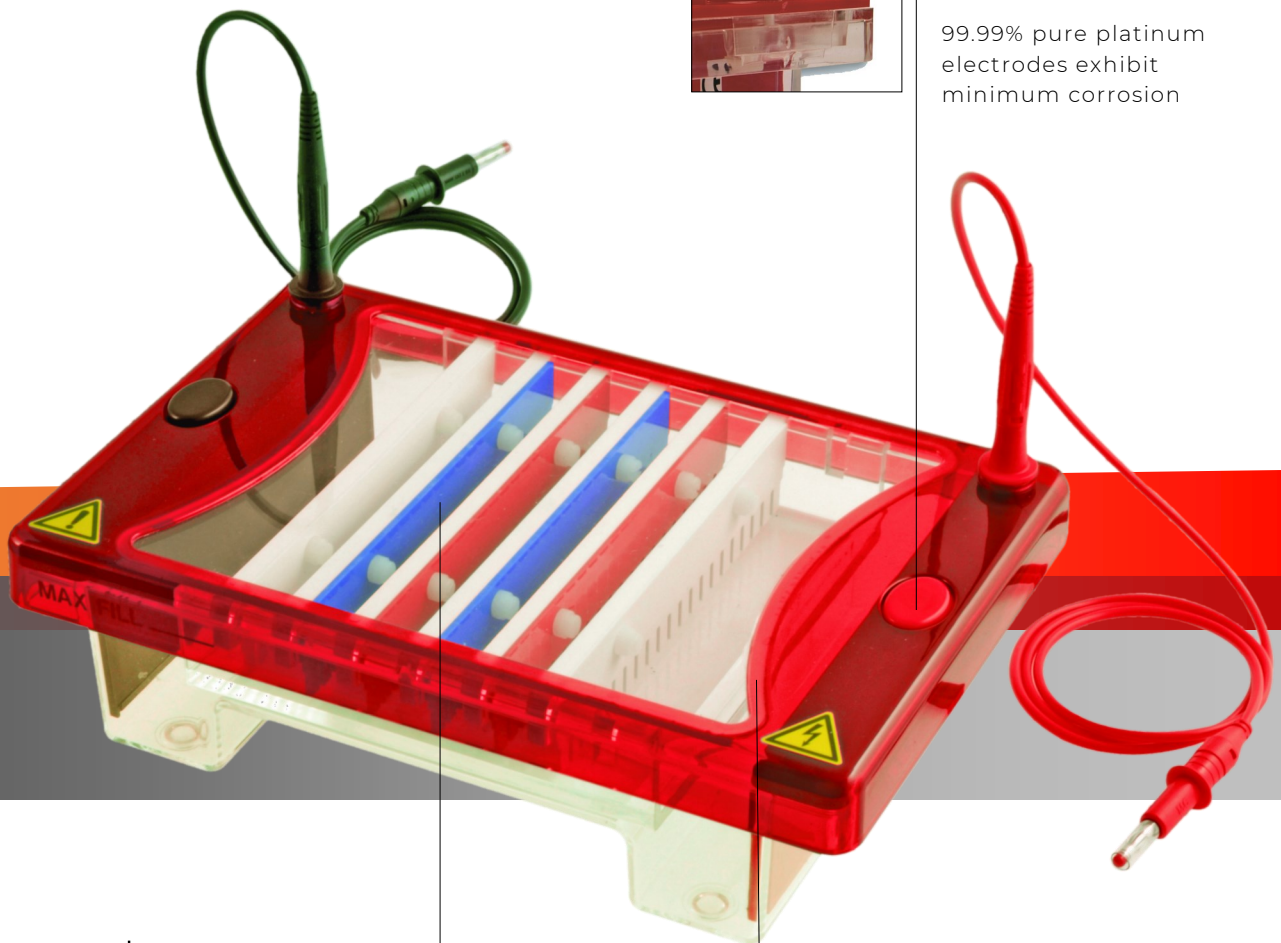
Cassette style electrodes are easy to replace.

Inset wiring provides protection to platinum wire when cleaning the unit

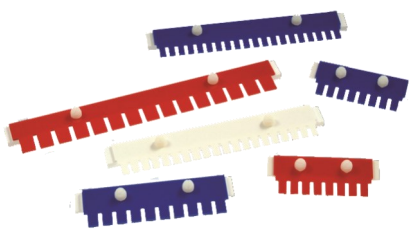


Gold plated terminals provide excellent connection to power supplies

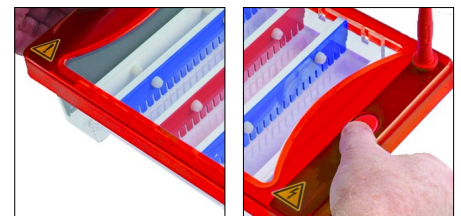
99.99% pure platinum electrodes exhibit minimum corrosion



# combs

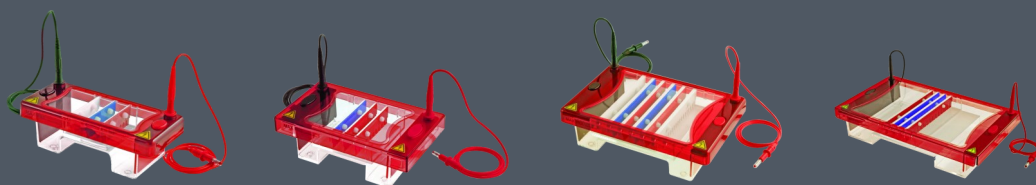


Combs available in four thicknesses and a variety of formats for sample purification, multichannel loading or routine use.



Easy click removal lid, asymmetrical to avoid incorrect connection to power supply

## Specifications



	<b>SYNMINI</b>	<b>SYN MIDI</b>	<b>SYNCHOICE</b>	<b>SYNMAXI</b>
Description	The preferred option for quick sample checks, particularly following restriction digestion during cloning. Its slim tray format makes the MSMINI a very economical choice for separation of up to 64 samples.	These units offer the same trays lengths, but in a wider format, to run more samples just as economically as in the MSMINI under similar running conditions.	Wide format system offers 2-3 times the sample capacity as the MSMINI and MSMIDI units. A comprehensive selection of combs provides full flexibility for preparatory and screening techniques. Suitable for cloning and mini-prep analysis.	Large-format system is versatile enough to be used for routine preparatory and high-throughput techniques. Combs with spacing compatible with fixed multichannel pipettes simplify loading from 96-well microplates and thermal cycler blocks.
Unit Dimensions (w x l x h)	9 x 21 x 9cm	12.5 x 22 x 9cm	17.5 x 26.5 x 9cm	23 x 39.5 x 9cm
Active Gel Size (w x l) / Corresponding Gel Tray	7x7cm or 7x10cm	10x7cm or 10x10cm	15x7cm, 15x10cm or 15x15cm	20x10cm or 20x20cm
Sample Capacity	1-32 (7x7cm) or 1-64 (7x10cm)	1-50 (10x7cm) or 1-100 (10x10cm)	1-70 (15x7cm), 1-140 (15x10cm) or 1-210 (15x15cm)	1-200 (20x10cm) or 1-450 (20x20cm)
Tank Buffer Volume	225ml	300ml	500ml	1200ml
Plug-and-Go Casting Dams Supplied	Yes, 1 pair	Yes, 1 pair	Yes, 1 pair	Yes, 1 pair
Typical Running conditions	80V, 45-60 minutes	90V, 45-60 minutes	90-150V, 60-90 minutes	100-150V, 60-90 minutes
Bromophenol Blue Migration	'4-5cm/h at 80V	'4-5cm/h at 90V	'4-7cm/h at 90-150V	'4-6.5cm/h at 100-150V

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**Please refer to [www.syngene.com](http://www.syngene.com) for all ordering information**

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