

# Electrophoresis, Blotting and Immunodetection

## Electrophoresis equipment - Horizontal, agarose systems



### Gel units, horizontal, Thermo Scientific ABgene Electro-Fast® Stretch

**Thermo**  
SCIENTIFIC

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High throughput electrophoresis of PCR\* products or samples containing a small number of DNA species.

- 18mm separation distance between combs for increased resolution
- Average run time 15min
- 96 (108 configuration) or 192 (204 configuration) sample throughput per gel
- Microplate format aids sample identification
- Additional marker lane on each row
- Multi-channel loading – 8 channel
- Single block acetyl casting assembly
- Individual comb loading for well layout flexibility and customisation
- Compact size - uses less buffer and bench space
- Conforms to CE safety directives

The Thermo Scientific ABgene Electro-Fast® Stretch electrophoresis gel unit features 18mm run length for greater band separation plus a rigid base unit structure prevents heat distortion.

As with the standard version the arrangement of samples in the microplates is preserved, avoiding the necessity to label large numbers of tubes, reducing the possibility of sample mix-up. Samples can be loaded directly from plates using an 8 channel pipetting device. When used to its full capacity the Electro-Fast® Stretch can accommodate samples from either one 96 well microplate or two microplates (using double density combs). An additional lane in each row enables a DNA marker to be loaded in addition to all samples from each row of a 12 x 8 well plate. The microplate layout and comb spacing of the gel also aids rapid sample identification and facilitates multi-channel loading. It can also be integrated into robotic workstations so that the entire process from PCR set up to electrophoresis can be automated.

#### Technical Specification - Specific

	<b>ELE-872-010U</b>	<b>ELE-872-020R</b>
Well volume, $\mu$ L	15 (9 tooth comb sample lanes)	5 (17 tooth comb and marker lanes)

#### Technical Specification - General

Dimensions, mm	310 x 105 x 85 (unit) 240 x 78 x 5 (gel)
Volume, mL	Approx. 100 (gel) <100 (buffer)
Length, mm	18 (run), customisable
Thickness, mm	1 (comb)
Voltage, V	100 (max. operating)
Current, mA	50 (max. operating)
Electrical supply	100V 50mA

Catalogue No	Alt. No	Description
<b>ELE-872-010U</b>	AB-0708	Electro-Fast® Stretch 108 complete (12 x 8+1 combs)
<b>ELE-872-020R</b>	AB-0711	Electro-Fast® Stretch 204 complete (12 x 16+1 combs)

Catalogue No	Alt. No	Description	For use with
<b>ELE-872-500D</b>	AB-0710	Electro-Fast® Stretch 108 comb assembly	<b>ELE-872-010U</b>
<b>ELE-872-520U</b>	AB-0715	Electro-Fast® Stretch base with end dams	All
<b>ELE-872-100T</b>	AB-0716	Green visualisation plate (Stretch)	All
<b>ELE-873-010X</b>	AB-0747	Electro-Fast® adapter, 4mm to 2mm	All

#### Spares

Catalogue No	Alt. No	Description
<b>ELE-870-520J</b>	AB-0639	Platinum electrode
<b>ELE-872-510A</b>	AB-0714	Additional Stretch lid

\*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffman-La Roche