

BENEFITS INCLUDE

- **Single gel tray with fluorescent numbering** - allows up to 96 SSPs to be loaded directly onto the tray, so that each SSP is automatically numbered for gel photography, simplifying post-electrophoretic analysis
- **6 comb slots** - positioned at 25mm intervals along the gel tray allow SSPs to be separated in less than 30 minutes using the appropriate running conditions (see Technical Specification)
- **Six 17-sample combs** - with each marker lane positioned centrally - enables SSPs to be loaded onto the gel quickly, 8 at a time by multi-channel pipette
- **Compact tank** - reduces the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time
- **Robust acrylic casting tray** - UV-transparent for visualisation with fluorescent numbering for SNP recognition and traceability
- **Ideal for use** - either with 96-well microtitre plates or 96-well blocks of the TC412 and TC512 Techne® Thermal Cyclers [contact sales@scie-plas.co.uk]
- **Buffer recirculation ports** - may be connected to a peristaltic pump for buffer recirculation during electrophoresis



VG-FAST96 High Throughput Vari-gel MAXI System

The VG-FAST96 high throughput Vari-gel maxi system is the latest addition to the Scie-Plas Vari-gel product range, providing a swift and simple solution for the screening and analysis of up to 96 single-strand polymorphisms (SSP) following PCR® amplification. Under the appropriate running conditions, SSPs, 50 to 1000 base pairs in size, can be separated in less than 30 minutes.

ROBUST ACRYLIC CASTING TRAY

Fluorescent visualisation of the lanes for the markers and samples 1-96 on the VG-FAST-GT high throughput gel-casting tray, using the Scie-Plas Vision gel documentation system.



ORDERING INFORMATION

Complete System

A complete 16cm wide high throughput Vari-gel system with 1 removable UV-transparent and UV-fluorescent gel tray, 16 x 17.5cm (W x L); 6 x 1mm, 17-sample combs and aluminium casting gates

Part No.

VG-FAST96

Replacement Parts & Accessories

1 x removable UV-transparent and UV-fluorescent gel casting tray, 16 x 17.5cm, including aluminium casting gates

VG-FAST-GT

2 x aluminium casting gates

VG-FAST-ALCG

2 x buffer recirculation ports

HU-BRP

1 x gel scoop

VG-FAST-GS

2 x 0.2mm thick, platinum electrode wire

PT-0.2

2 x 1 metre power leads with

shrouded 4mm power output connectors

CABLE-4

VG-FAST 96 Combs

Part No.	Thickness (mm)	Sample Throughput	Tooth Width (mm)	Max. Spacing (mm)	Sample Volume in a 5mm Deep Well (µl)
VG-FAST-C1-17MC	1	17	5	3.5	25

*Multi-channel pipette compatible

TECHNICAL SPECIFICATION

Unit Dimensions (W x L x H)	33 x 19.5 x 7.5cm
Gel Size (W x L)	16 x 17.5cm
Buffer Volume	950ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	96 + 8
Combs	6
Comb Thickness	1mm
Comb Throughput	17 samples: 2 x 8 loaded by multi-channel pipette; 1 x marker
Comb Slots	6
Migration Distance Between Comb Slots	2.5cm
Recommended Running Voltage	100 to 150V
Power Output Connectors (diameter)	Shrouded, 4mm
Recommended Power Supplies	Consort EV243



TECHNICAL TIP | Photography:

If the gel needs to be photographed, thin gels (2 to 3mm) with low-percentage agarose are better than thick or high-percentage gels. The latter produce increased opaqueness and autofluorescence.

