

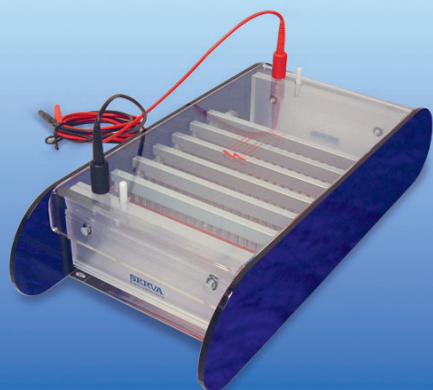
# BlueMarine™ HTS

**SERVA**  
■ serving scientists ■

## Horizontal submarine electrophoresis unit for high throughput screening

### Separation of 102 samples in one gel

The BlueMarine™ HTS electrophoresis unit offers an innovative flexible system for high throughput analysis, e.g. PCR-generated DNA fragments in 96-well microtiter plates. The use of all 6 combs with staggered to each other arranged sample wells allows the analysis of 102 samples, including standards (separation distance: max. 6 cm). In addition to analyzing complete 96-well microtiter plates, the system also can be used for high resolution long runs of single samples (separation distance: max. 18 cm).



- 6 aluminium combs for the analysis of up to 102 samples
- Aluminium gel casting gates – no taping, leak-free sealing gaskets with improved fit – insert the gaskets and pour the gel, no extra sealing step required
- Gels can be cast and run in the same tray (UV transparent) – easy to prepare, easy to start
- Red contrasting stripes on the white support plate at all comb positions – simplifies loading of the samples by better visibility of the wells
- Compact, durable, ergonomic design
- Safety lid provides correct orientation of electrodes

### A complete system

The BlueMarine™ HTS comes with a submarine chamber with safety lid and cables. The electrodes are easy to clean. The system includes one UV transparent gel tray to cast and run the gel in the same tray.

In combination with the aluminium gates (2 pcs.) gel casting is leak-free without an extra sealing step (e.g. taping). The submarine electrophoresis unit is completed by six combs made from aluminium with 17 sample wells each, allowing the analysis of up to 102 samples in one gel.

To run the system SERVA offers a broad range of agaroses and ready-to-use DNA size markers (for more information please go to [www.serva.de](http://www.serva.de)).

### User-friendly design

BlueMarine™ HTS unit is designed for safe and easy handling and feature a rugged, most durable acrylic construction, ensuring a long-lasting lifetime. Doubly insulated cables are rated safe up to 3,000 volts. Gold plated electrical connectors are corrosion-free. The recessed power connectors are integrated into the safety lid. The new designed platinum electrodes can be easily replaced by the user.

### Operational Data

Maximum operation voltage	500 V
Maximum operation current	300 mA
Approx. gel volume (5 mm gel)	160 ml
Possible comb positions	6
Maximum of loadable samples	102
Dimension (W x L x H)	19.5 x 38 x 80 cm
Gel format (W x L)	175 x 192 mm

### Ordering Information

Product	Size	Cat. no.
BlueMarine™ HTS	1 unit	BM-HTS