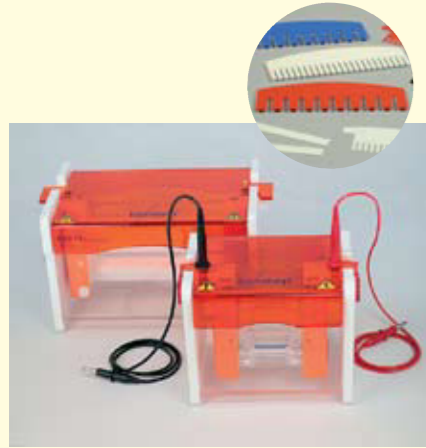


# Electrophoresis Systems ...

## VERTICAL for protein electrophoresis

### Units in sizes Mini, Midi and Maxi



- easy-to-use -> excellent separation
- simultaneous run of up to 4 gels
- snap closing for fixing the glass plates at Mini system
- no need of glass plate transfer -> minimum expenditure of time
- gel casting system = gel running system
- for use with pre-cast gels
- maximum range of application by combination as modular system

	Mini GV100	Midi GV200	Maxi GV400
Gel size	7.5 x 8 cm	18 x 8 cm	16 x 17.5 cm
Max. samples	4 x 20	4 x 48	4 x 48
Dimensions (W x D x H)	19 x 13 x 15 cm	26 x 16 x 16 cm	26 x 16 x 28 cm
Thickness of glass plates	2 mm	4 mm	4 mm
Blot/capillary module available	yes	yes	yes

### Multi gel caster .... ideal as addition for casting minigels stocked



- for use with GV100 systems
- level and adjustable feet for justifying the casting system
- suitable for standard and gradient gels\*
- including separating foils and dummy plates

	GV100-MC6	GV100-MC12	GV100-MC24
Capacity	6 gels	12 gels	24 gels

\* Gradient mixer at [www.biostep.de](http://www.biostep.de)

[ Complete product range at [www.biostep.de](http://www.biostep.de) ]

## HORIZONTAL for DNA and RNA separations

- UV-transparent gel trays
- combs are height-adjustable & colour-coded; compatible with multichannel pipettes
- optionally available with cooling
- non-slipping gel tanks
- easy-to-use
- safety lid with non-corroding, gold-plated connectors
- handholds on both sides for a simple and safe transport of the units

### High flexibility ... by using differently-sized gel trays in only one tank

- gel sizes from 7 x 7 cm up to 26 x 32 cm
- casting gates for casting outside the tank



### Model GH202

- gel sizes:  
10 x 10 cm, 4 comb positions  
max. samples: 64  
10 x 7 cm, 2 comb positions  
max. samples: 32
- including:  
1 UV-transparent gel tray  
10 x 10 cm, casting gates,  
2 combs, coloured loading strips

### UPGRADE to 96well chamber possible

- ideal for high throughput electrophoresis
- direct sample loading from a 96well plate
- fast and simple analysis of several samples following PCR®
- time-saving gel casting due to 96well comb block

### Time-saving casting system ... directly in the tank

- gel sizes from 6 x 7.5 cm up to 12.8 x 15 cm
- no additional gates necessary
- additional gels can be casted externally



### Model HU13

- gel size: 12.8 x 15 cm
- max. samples: 112
- 4 comb slots
- including:  
1 UV-transparent gel tray with silicone gaskets, 2 combs, recirculation ports for buffer recirculation during electrophoresis, coloured loading strips

More units and gel sizes at [www.biostep.de](http://www.biostep.de).

### Comet assay

- system for light-sensitive single cell electrophoresis
- simultaneous separation of many DNA samples in agarose coats
- analysis of DNA damages by electrophoretical separation patterns
- DNA repair within individual cells
- available in 4 sizes
- high efficiency cooling for enhanced resolution



### The all-purpose system- DESAPHOR HF210 for



- IEF
- 2nd dimension following IPG-IEF
- horizontal electrophoresis in agarose and polyacrylamid gels
- SDS-PAGE
- 108 samples at double focusing
- use of pre-cast gels
- gel sizes of 50 x 50 mm up to 254 x 210 mm

### Advantages

- flexible working due to variably placeable electrodes
- bi-directional separation
- low chemical consumption

### High sample throughput ... up to 1200 samples in less than 15 minutes

- ideal for rapid checking of large numbers of samples from PCR and cloning
- gel sizes: 8 x 6 / 8 x 12 / 8 x 18 cm
- simultaneous run of 4 horizontal gels
- rapid loading by 8-channel-pipette
- compatible with microplates and PCR plates
- buffer volume: 1.8 l
- model GH804 including:  
4 UV-transparent trays 8 x 12 cm  
4 double-sided combs  
(1.5 mm thick, 18/8 samples)
- optionally available with multicaster for 4 trays



[ Complete product range at [www.biostep.de](http://www.biostep.de) ]



... as well as Power Supplies and Accessories



**Semi dry blotters**

- fast transfer time
- corrosion-free electrodes (stainless steel, platinised titanium)
- large active transfer area
- low heat production and band distortion
- high throughput by pilling up gels

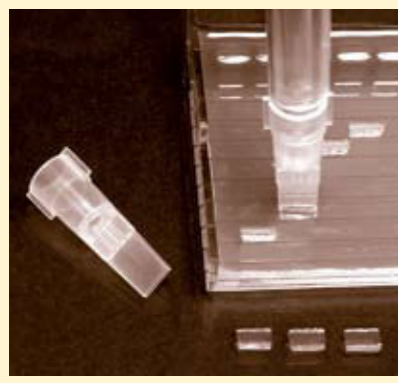
**Electroblotting system for 4 gels of 10 x 10 cm**

- safe and easy transfer of proteins and nucleic acids
- no sample loss due to asymmetric blotting cassettes
- safety lid with power cables
- built-in cooling coil
- including 4 compression cassettes and 8 pads



**Sample pickers**

- suitable for clean removal of spots ( $\varnothing$  1.5; 3 mm) or bands (5 x 1.5 mm) out of electrophoresis gels
- one-hand operation without scratching on the surface
- sample release by pushing mechanism
- optionally available with changeable tips



**Tips for band pickers**

- suitable for clean removal of band out of electrophoresis gels
- tips fit to most pipettes of 1000  $\mu$ l
- for avoiding contaminations
- sizes: 6.5 x 1 mm and 4 x 1 mm
- 1 pack of 250 pieces

**Power supplies**

- constant voltage, current or power
- program storage up to 10 methods
- alarm at the end of program
- timer, digital displays
- no lead and leakage current detect
- auto cut-off function
- GN343 and GN541 programmable



**Model GN342**

- max. voltage: 300 V
- max. current: 700 mA
- max. power: 150 W
- 4 parallel outputs
- micro processor control
- stackable

**Chiller Cool-Care<sup>®</sup> from -5 °C up to +25 °C**

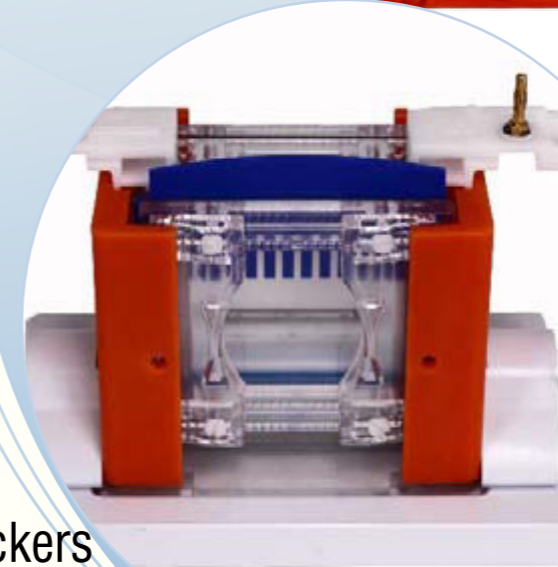
- pump capacity max.: 5 l/min
- pump pressure max.: 1.5 mWS (approx. 147 mBar)
- cooling capacity: 180 W at 20 °C medium outlet temperature
- dimensions (W x D x H): 28 x 45 x 26 cm



Your Specialist for  
PCR, Electrophoresis, Bio-Imaging,  
TLC & Radioanalytics

**biostep<sup>®</sup>**

**Electrophoresis  
and Blotting Systems**



Horizontal  
Units

Vertical  
Units

Blotters

Sample Pickers

Power Supplies

Gel Dryers

Gel Scoops

Chillers

**Vertical electrophoresis system  
for up to 4 gels of 10 x 10 cm**

- sliding clamps for quick fixing of glass plates, alternatively with screws available
- gel casting module = gel running module, no transfer of glass plates necessary
- model GV102 incl. glass plates plain and with fixed spacers, combs, casting base, dummy plate, cooling pack

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