

# Selection of Electrophoresis Devices

## Electrophoresis, Blotting, Power Supplies

Analytik Jena offers a comprehensive range of instruments for electrophoresis. Based on more than 30 years of experience, this high-quality product range has been developed for daily laboratory routines.

### Horizontal Gel Electrophoresis

The Biometra Compact line features a robust family for agarose electrophoresis of different gel sizes from mini- up to maxi-sized gels. Low sample numbers are run in Biometra Compact XS/S. For medium sample numbers, use Biometra Compact M or Biometra Compact Multi-Wide with a choice of different gel trays. Biometra Compact L/XL allows for high-throughput electrophoresis, processing up to 416 samples in a single run.

- Unique plug & cast gel casting systems
- Provides unique lid for space saving storage
- Multichannel pipette compatible combs



Biometra Compact family

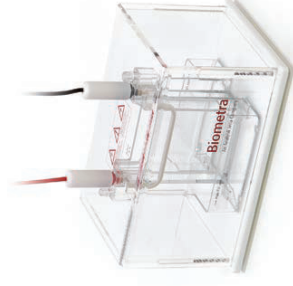
### Vertical Gel Electrophoresis

The Biometra Eco-Line offers tank-style systems for polyacrylamide gel electrophoresis and tank blotting. The modular concept of this robust line allows for the electrophoresis and blotting of up to four gels (Biometra Eco-Mini) or up to two large gels (Biometra Eco-Maxi).

- Double gel system
- Cooling option
- Electrophoresis and tank blot modules



Biometra Eco-Line



Biometra Minigel-Twin

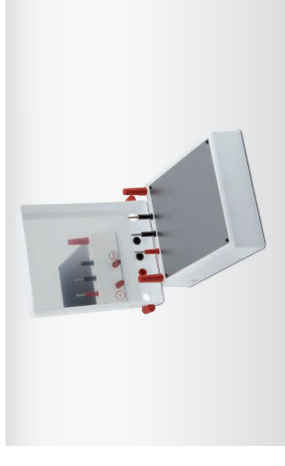
An alternative concept for vertical gel electrophoresis is offered by the Biometra Minigel-Twin. This double-gel system allow for gel casting without any leakage by employing fixed glass spacers and an unique silicone seal.

- Low buffer requirements
- Leak proof casting gel with unique silicone seal

### Semi-Dry Blotting

Electro-blotting is a standard method for transferring proteins and nucleic acids from polyacrylamide gels to nitrocellulose or other carrier membranes. The Biometra semidry blotters are equipped with high-quality plate electrodes which create a homogeneous stress field that ensures a fast and homogeneous transfer of biomolecules. To enable reliable and gentle transfer of challenging samples even at high current levels, the Fastblot B43 offers a cooling option. Excess heat can be dissipated efficiently to achieve high-quality despite heterogeneous protein mixtures.

- Maintenance free platinum/titanium electrodes
- Cooling option (B43)
- Transfer of multiple gels possible



Biometra Fastblot B43 and B44

### Power Supplies

All the different Analytik Jena electrophoresis instruments are compatible with the offered power supply range. For low-voltage applications, such as horizontal and vertical gel electrophoresis, tank blotting and semi-dry blotting, different models are available:

The outstanding compact power supply Biometra PS 300TP for general electrophoresis applications and the powerful Biometra P25/P25T for a wide range of electrophoresis and blotting tasks.

- Two to four output connectors to control several instruments simultaneously
- Enable automatic crossover
- Timer with alarm function
- Designed to be compact and easy-to-use



Biometra P25T and Biometra PS 300TP