



K R E A T I V E   E L E K T R O P H O R E S E - T E C H N I K

## **MAESTRO 101.**

Automated unit for perfect electrophoresis procedure



Automated electrophoresis unit MAESTRO 101

- n Can be used for the most common electrophoresis methods (serum proteins, lipoproteines, alc.haemoglobins, urine\*)
- n Compact and space-saving
- n Excellent operating comfort and ease of handling
- n Highly economical
- n Minimal use of consumables
- n Very low maintenance costs
- n High level of reproducibility
- n Multiple programmable
- n Integration of the TurboScan densitometer software

#### **n In-house development.**

The automated electrophoresis unit *MAESTRO 101* is a new development from BIOTEC-FISCHER, utilising the most modern technology. The *MAESTRO 101* is designed for a long operational life and safe, reliable, problem-free use during hard, continuous operation.

#### **n Compact, robust and low-maintenance.**

The *MAESTRO 101* operates with a compact, robust and extremely reliable mechanism, which is confined to a minimum of moving parts. This makes the *MAESTRO 101* compact in its dimensions. Maintenance costs for the user are minimised. All relevant components are easily accessible and easy to clean.

#### **n Different methods.**

The most commonly used electrophoresis methods can be carried out with the *MAESTRO 101*: serum proteins, lipoproteins, hemoglobine, and urine\*.

#### **n Economical.**

The *MAESTRO 101* requires only a small amount of consumable material per run, making it very economical to use. The *MAESTRO 101* migrates 16 samples within 50 minutes.

#### **n Easy to operate.**

The *MAESTRO 101* can be easily and safely operated. All necessary instructions are given via the integrated display, where current status is also displayed. The required method can be selected and started up with simple button clicks.

#### **n TurboScan Densitometer.**

The *MAESTRO 101* delivered with TurboScan densitometer software offers a wide variety of correction facilities. For instance, the automatically set minimum marks can be moved, deleted or re-set manually, as required. The baseline can be corrected quickly and easily and artefacts can be eliminated from the curve.

#### **n Simple data exchange.**

The TurboScan Densitometer software that is delivered together with *MAESTRO 101* can be connected easily to the external central EDP via an RS-232 interface. Data exchange is bi-directional with or without transmission of curve data to the central electronic data processing unit.

#### **n Reproducible results.**

By eliminating manual sources of error and with its precise mechanism, the *MAESTRO 101* guarantees extremely reproducible results.

#### **n Delivery details**

The *MAESTRO 101* is supplied as a complete unit prepared for serum protein electrophoresis (micro-application) together with power cable, product manual and TurboScan Software as well as a kit of consumables and reagents for serum protein electrophoresis.

(Technical modifications reserved)

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## **Specifications:**

**Analysis programs:** serum proteins, lipoprotein, alc. Hb, urine\*

**Supporting medium:** supported agarose gels

**Separation technique:** micro with sampling template

**Sampling rate:** 8 samples in 75 min.

**Densitometer software:** TurboScan (optional)

**Dimensions:** 56 x 40 x 30 cm (W x H x D)

**Weight:** 12 kg

**Power supply:** 230V / 50Hz (optionally 115V / 60Hz)

**Power consumption:** 120 W max.

**Safety class:** safety class 1

**Operating mode:** Continuous

**Ambient temperature:** 17 - 26°C

**Air humidity:** max. 65%

**Safety standards:**

EN 61010-1, EN61326, EN61000-3-2  
EN 61000-3-3, 98/79 EC IVD

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## **Ordering Information:**

<b>Code</b>	<b>Product</b>	<b>Quantity</b>
313001	Automated electrophoresis unit <i>MAESTRO 101</i> , standard delivery	1 set
313000	Automated electrophoresis unit <i>MAESTRO 101</i> without TurboScan	1 set
370206	Kit for 80 Serum proteine electrophoresis on agarosegel	1 kit
371501	Kit for 80 Lipoproteine on agarosegel	1 kit
373501	Kit for 80 alcalic Hemoglobins on agarosegel	1 kit

\* in preparation