

Rotaphor 6.0

Pulsed Field Gel Electrophoresis System for separation of high molecular DNA (up to 6 Mbase). Thanks to the patented Rotaphor technology an unparalleled resolution of high molecular DNA is achieved. The Rotaphor technology also provides powerful separation of linear and circular DNA molecules. When ordering the international Rotaphor 6.0 system (#021-190), the following components are delivered:

Gel chamber

- Freely rotating electrode rotor with 14 platinum electrodes (270° max angle)
- Integrated buffer circulation pump
- Internal cooling circuit for connection of an external thermostat
- Temperature sensor
- 2.4 l buffer volume
- Acrylic glass safety lid (automatic shut off when lid is lifted)
- Dimensions 35 cm x 47cm x 25cm (W x D x H)

Gel tray

- Adjustable feet for horizontal leveling
- 20 x 20 cm gel format
- 18 cm separation distance
- 18 teeth comb (optional 40 teeth)
- Gel casting frame
- Molding form for 20 Agarose embedded samples

Control unit

- Personal computer
- WIN XP
- 265 Mbytes RAM
- 40 Gbytes hard disk
- 40 x CDROM
- Control interface for Rotaphor electrophoresis chamber
- Installed Rotaphor 6.0 control software

Rotaphor 6.0 Software

- 17 optimized programs for separation of samples from 100 bp up to 6 Mbase
- Easy creation of new programs (angle, Voltage, Pulse length)
- Programs can be linked to create complex separation pattern
- Program in- or decremental field vectors (linear or logarithmic)
- Program in- or decremental pulse length
- Program Voltage for Electrophoresis 0-225Volt (0 – 8,5 V / cm)
- Precise control of buffer temperature (5 – 22 °C)
- For each program a real gel picture can be loaded / displayed
- Convenient User administration
- Comprehensive online help
- German or English language
- Printed User manual

Power Supply

- Rotaphor 6.0 Interface
- Voltage: 0 – 300 V
- Current: 0 – 450 mA
- Dimensions: 52 mm x 222 mm x 202 mm (H x W x D)
- Weight 1.7 kg