

Instructions for use



3688.1

ROTIPHORESE® PROfessional Flexicaster

External Gel Casting Unit

For use with the electrophoresis units PROfessional I-V



PACKING LIST

<u>No. Items</u>	<u>Description</u>
1	Casting unit
1	Leveling bubble

Please check that the apparatus has been received completely and undamaged following shipment. Refer to the packing list and check that all components and accessories are present. Any faults or losses must be notified to us immediately.

SUITABLE ELECTROPHORESIS UNITS

Suitable for all PROfessional gel trays up to a size of 26 x 32 cm (W x L).

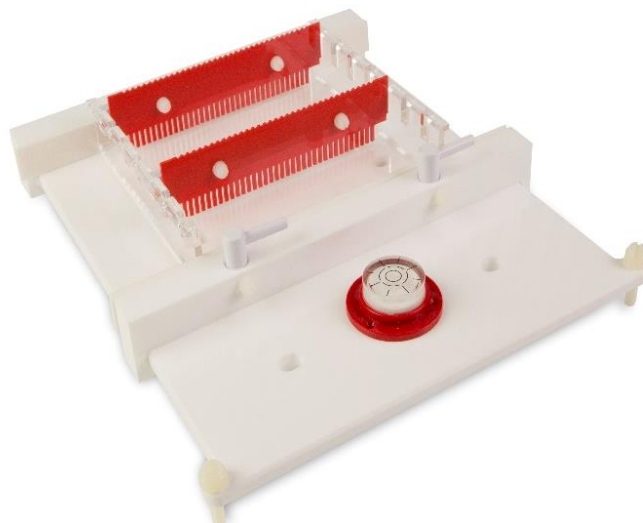
When using gel trays up to a size of 10 x 10 cm, 2 gels can be poured simultaneously (PROfessional I and II).

Electrophoresis Unit ROTIPHORESE®	Art. No.	Dimensions (W x L) Gel casting tray	Number of gels to be cast
PROfessional runVIEW	4849.1	15 x 15 cm	1
PROfessional I	2788.1	7 x 7 cm	2
PROfessional II	2799.1	10 x 10 cm	2
PROfessional III	2850.1	15 x 15 cm	1
PROfessional III Stretch 20	9938.1	15 x 20 cm	1
PROfessional III Stretch 25	9939.1	15 x 25 cm	1
PROfessional IV	2941.1	20 x 20 cm	1
PROfessional V	3000.1	26 x 32 cm	1

OPERATION

A. Preparations

1. Level the Flexicaster base by adjusting the feet so that the bubble is exactly central.
2. The Flexicaster consists of a permanent rear wall and a movable front wall with locking cams that can be adjusted to the respective size of the gel tray. Silicone mats are embedded in both walls.
3. Insert the desired length tray (incl. combs) into the Flexicaster such that one end of the tray is pushed up and seals against the silicone mat of the rear wall of the Flexicaster.
4. Position the movable wall of the Flexicaster so that the silicone mat is pushed against the other end of the tray.
5. Turn the cams so that the silicone mat tightly seals against the side of the tray.



B. Gel Pouring

1. Allow the agarose to cool to approx. 50-60 °C under constant swirling. Then pour in carefully so as not to generate bubbles. Any bubbles that do occur can be smoothed to the edge of the gel and dispersed using a pipette tip.
2. Allow the gel to solidify.
3. Carefully release the locking cams on the front wall of the Flexicaster and remove the gel tray.
4. Perform the gel run as usual in the main tank.

C. Additional Items and Reagents

Agaroses:

Standard	3810
NEEO ultra-quality	2267
Agarose-Tablets	HP67
Broad Range (for all fragment lengths)	T846
GTQ (gene technique quality – for DNA elution)	6352
Agarose HR-PLUS (for fragments of 100 – 3000 bp)	HP30
High Resolution (for small fragment lengths)	K297
Low Melt (for gel elution and in-gel-applications)	6351
Agarose LM/PCR (gel elution of fragments < 1500 bp)	HP31
Agarose Super LM (particularly low melting temp.)	HP54
Synergel™ (agarose additive for even better band resolution)	0184

Gel Loading Buffers:

ROTI®Load DNA 6x (with Glycerol /Ficoll)	X904 / X905
ROTI®Load DNA short run 6x (with Glycerol)	0095
ROTI®Load DNA 1x (with Glycerol)	0100
ROTI®Load DNA short run 1x (with Glycerol)	0099
ROTI®Load DNA small (with Glycerol)	HP03
ROTI®Load DNA orange 1 (with Glycerol)	HP04
ROTI®Load DNA orange 2 (with Glycerol)	HP05
ROTI®Load DNA tricolor (with Glycerol)	HP06
ROTI®Load DNASTAIN 1 SYBR® Green (for fragments > 500 bp)	1CN5
ROTI®Load DNASTAIN 2 SYBR® Green (for fragments 100-2000 bp)	1CN6
ROTI®Load DNASTAIN 3 SYBR® Green (for fragments < 500 bp)	1CN7

Gel Running Buffers:

ROTIPHORESE®- 10 x TBE-Buffer	3061
ROTIPHORESE®- 10 x TAE-Buffer	T845
ROTIPHORESE®- 10 x TAE-Buffer <i>light</i> (for gel elution)	0122

DNA Markers: Please call ++49-0721-5606-0 for our brochure on DNA Markers

Staining reagents:

Ethidium bromide solution 1 %	2218
Ethidium bromide solution 0.5 % in dropper bottle	HP46
Ethidium bromide solution 0.025 % in dropper bottle	HP47
Ethidium bromide dye	7870
Methylene blue staining solution	0648
Methylene blue dye	A514
ROTI®GelStain green fluorescent dye, substitute for ethidium bromide	3865
ROTI®GelStain Red red fluorescent dye, substitute for ethidium bromide	0984
SYBR® Green DNA dye (green fluorescent dye, substitute for eth. bromide)	1CN2
SEKUROKA® Decon Bags for removal of 125 mg ethidium bromide from solutions	T856

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The company is a limited partnership with headquarters in Karlsruhe, reg. court Mannheim HRA 100055. Roth Chemie GmbH, with headquarters in Karlsruhe, reg. court Mannheim HRB 100426, is the personally liable partner. Managing Director: André Houdelet. Sales tax identification number: DE 143621073.

