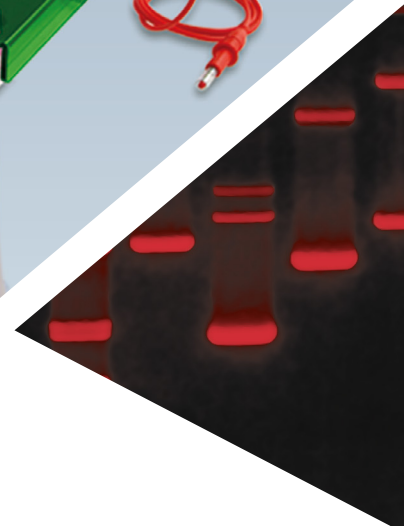
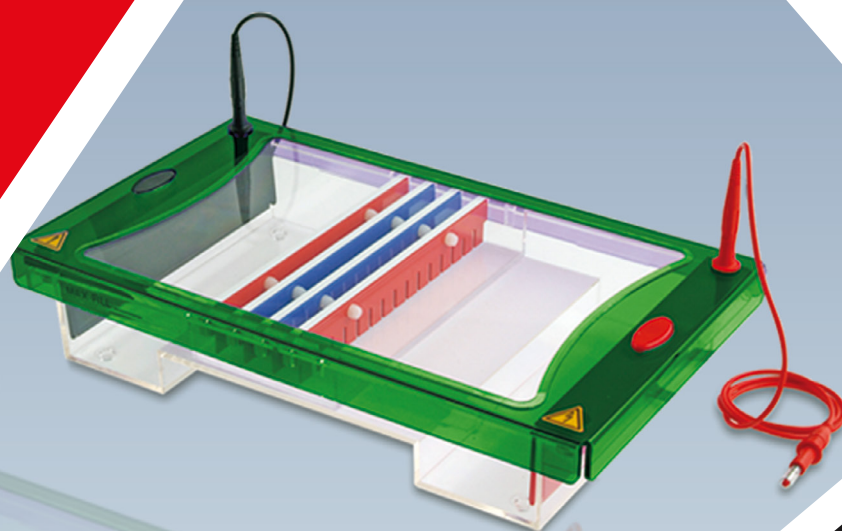


Horizontal Electrophoresis

Devices, buffers and reagents for the separation of nucleic acids in agarose gels

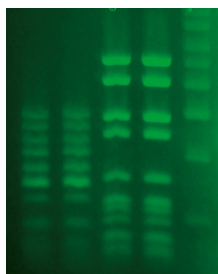
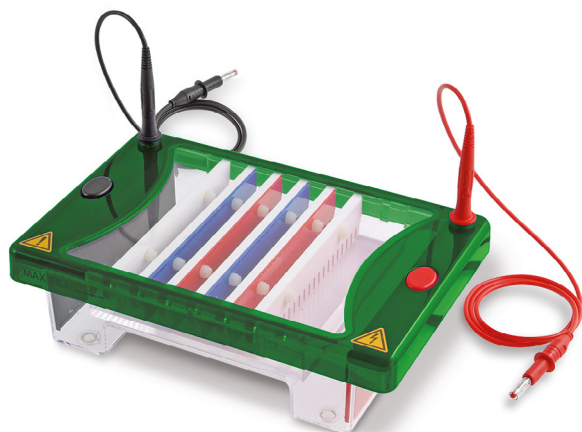


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Horizontal Electrophoresis



ROTIPHORESE® Professional Units

Different Units for Lab Bench and Student's Courses.
General features:

- High-grade quality, made of robust acrylic glass
- Available in different sizes
- Absolutely leak proof
- Extremely easy to operate
- Wide range of accessories
- UV-transparent Gel-trays
- Easily replaceable electrodes
- Excellent price-performance ratio

ROTIPHORESE® Professional III

ROTH SELECTION.

Suitable for all Standard Analysis

- Electrophoresis chamber with accessories - ready for use
- Gel trays with three different length available
- Compatible with multi-channel pipettors
- For real-time electrophoresis upgradeable with ROTIPHORESE® PROfessional runVIEW Base (Art. No. 4850.1)

Delivery incl. 1 horizontal gel chamber, 1 safety lid with integral power leads (4 mm plugs), 1 UV-transparent gel casting tray (15 x 15 cm) with 2 gel casting gates, 2 combs (1 mm, 20 teeth).

Type	Art. No.	Pack Qty.
PROfessional III	2850.1	1 unit

► More Units in different sizes can be found in our Webshop

Power Supplies

Low cost power supplies for all applications

- 2 Lines – Consort or ROTH Power Supplies
- Compact and easy to operate
- High safety standard
- Timer Mode
- Suitable for horizontal or vertical gels, for blotting or Mini gels
- Available in different power capabilities



ROTH Power Supply STANDARD

ROTH SELECTION.

For standard applications, all middle sized horizontal gels and for vertical mini gels. Connection with up to 5 units possible.

Type	Art. No.	Pack Qty.
STANDARD (PowerPro3200)	2908.1	1 unit

Power Supply EV3150

Consort.

Optimal for isoelectric focussing and DNA-sequencing.

Type	Art. No.	Pack Qty.
EV3150	A542.1	1 unit



► More Power Supplies can be found in our Webshop

Horizontal Electrophoresis

ROTI®Garose Agaroses

The ROTI®Garose assortment contains various high-quality agaroses for the separation of biomolecules.

- For clear and sharp bands
- For different fragment size ranges
- With low, medium or high electroendosmosis
- Also available with low melting and gelling point for gel elution

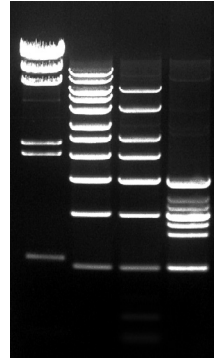


Agarose Standard

ROTI®Garose for DNA/RNA Electrophoresis

The low cost agarose for routine gels and standard analyses in the laboratory (1 kb-20 kb).

Art. No.	Pack Qty.	Pack.
3810.1	10 g	plastic
3810.2	100 g	plastic
3810.5	250 g	plastic
3810.3	500 g	plastic
3810.4	1 kg	plastic



► More Agaroses can be found in our Webshop



ROTIPHORESE® Buffers

Our ready-to-use buffers avoid the inconvenience of weighing and offer consistent quality for reproducible gels.

- TBE- and TAE- running buffers
- Available in different concentrations and in different package sizes
- Either in solution or in our practical ROTI®fair pouches

ROTIPHORESE®10x TBE Buffer

ROTIPHORESE® 10x conc.

Buffer solution for the preparation of 0.5x or 1x concentrated running buffer.

Art. No.	Pack Qty.	Pack Qty.	Pack.
3061.1	1 l	1 x 1 l	glass
3061.3	2,5 l	1 x 2.5 l	glass
3061.2	5 l	1 x 5 l	plastic

► Hazard warnings and further Buffers can be found in our Webshop

DNA ladders

The Carl ROTH assortment includes a wide range of different DNA ladders for electrophoresis

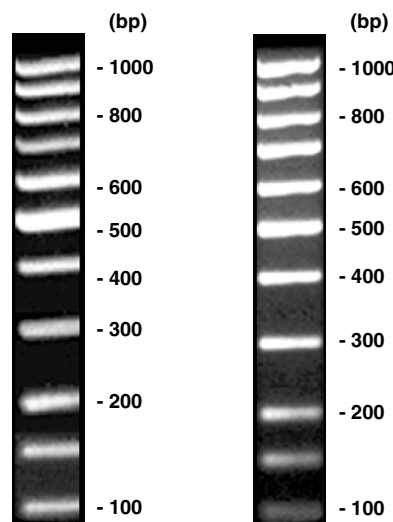
- Regular scale DNA ladders for size determination
- Equimolar ladders for quantification
- Ladders from plasmid DNA with open EcoRI cleavage site for labelling
- Pre-stained DNA ladders

100 bp DNA ladder

Lyophilised, not pre-stained

For a size range of 100-1000 bp, with 11 fragments. Available either with bands of equal molarity (equimolar) or with bands of equal intensity (equalized).

Art. No.	Pack Qty.	Pack Qty.	Pack.
T834.1	50 µg	1 x 50 µg	plastic
T834.2	200 µg	4 x 50 µg	plastic



► More DNA ladders can be found in our Webshop

Horizontal Electrophoresis



ROTI®Load DNA loading dyes

The ROTI®Load DNA loading dyes are available in different variants, for the separation of different fragment sizes.

- With various dye combinations of xylene cyanol, bromophenol blue, tartrazine and orange G.
- Density increase with glycerine or Ficoll
- For staining of DNA samples also available as pre-mix with the DNA dye SYBR®Green

ROTI®Load DNA (with glycerine)

With bromophenol blue and xylene cyanol, for standard analysis and routine gels, suitable for fragments >500 bp.

Art. No.	Pack Qty.	Pack Qty.	Pack.
X904.1	9 ml	5 x 1,8 ml	plastic

ROTI®Load DNASTAIN 2 SYBR®Green

Contains SYBR®Green for staining DNA. Suitable for fragments of 100-2000 bp due to tartrazin and xylene cyanol.

Art. No.	Pack Qty.	Pack Qty.	Pack.
1CN6.1	1,8 ml	1 x 1,8 ml	plastic
1CN6.2	9,0 ml	5 x 1,8 ml	plastic

► More DNA loading dyes can be found in our Webshop

DNA stains

In our assortment you will find a variety of different reagents for staining DNA, but also RNA.

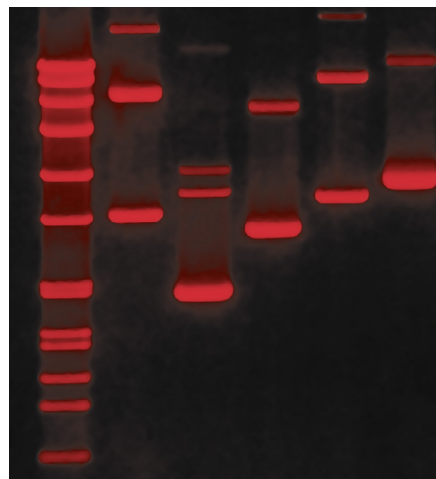
- Standard reagents such as ethidium bromide
- Non-toxic fluorescent dyes
- Ultra-sensitive dyes such as SYBR®Green
- Suitable for use with all common UV and blue light filters

ROTI®GelStain Red

Non-toxic alternative to ethidium bromide, usable with UV and blue light filters. Sensitivity 0.3 ng/gel band.

Art. No.	Pack Qty.	Pack Qty.	Pack.
0984.1	1 ml	1 x 1 ml	plastic
0984.2	5 ml	5 x 1 ml	plastic

► More DNA stains can be found in our Webshop



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Export prices might be higher.

All supplies and deliveries are subject to the terms and conditions of sale and delivery of Carl Roth GmbH + Co. KG, Karlsruhe