

## The Compact Family

Dedicated to Agarose Electrophoresis

- Robust high-quality design
- Great versatility
- Fast and leak proof casting of gels



**Biometra**

PRODUCT LINE

**Submerged horizontal electrophoresis of nucleic acids**

The Biometra Compact line is developed based on the experience and needs of users in research and routine laboratories throughout the world. The deliberate design provides for ease of use and longtime reliability for precise separation and analysis of nucleic acids in agarose gels. All electrophoresis cells meet the highest standards in operational safety.

**The Compact line at a glance:**

**Electrophoresis of "mini gels"**

**Compact XS** and **Compact S** are perfect for the fast separation of low to middle numbers of samples. The models XS and S differ in the size of the included gel tray.

The chamber compatibility with both gel trays provides great versatility to respond to changing applications. The range of nine different combs including four multichannel pipet compatible combs meets all needs. Rubber feet reliably prevent the chambers from slipping on the bench.

Model	Gel size (W x L)	Max. sample number
Compact XS	8.2 cm x 7.1 cm	with 2 combs: 32
Compact S	8.2 cm x 10.5 cm	with 3 combs: 48

**Electrophoresis of "midi gels"**

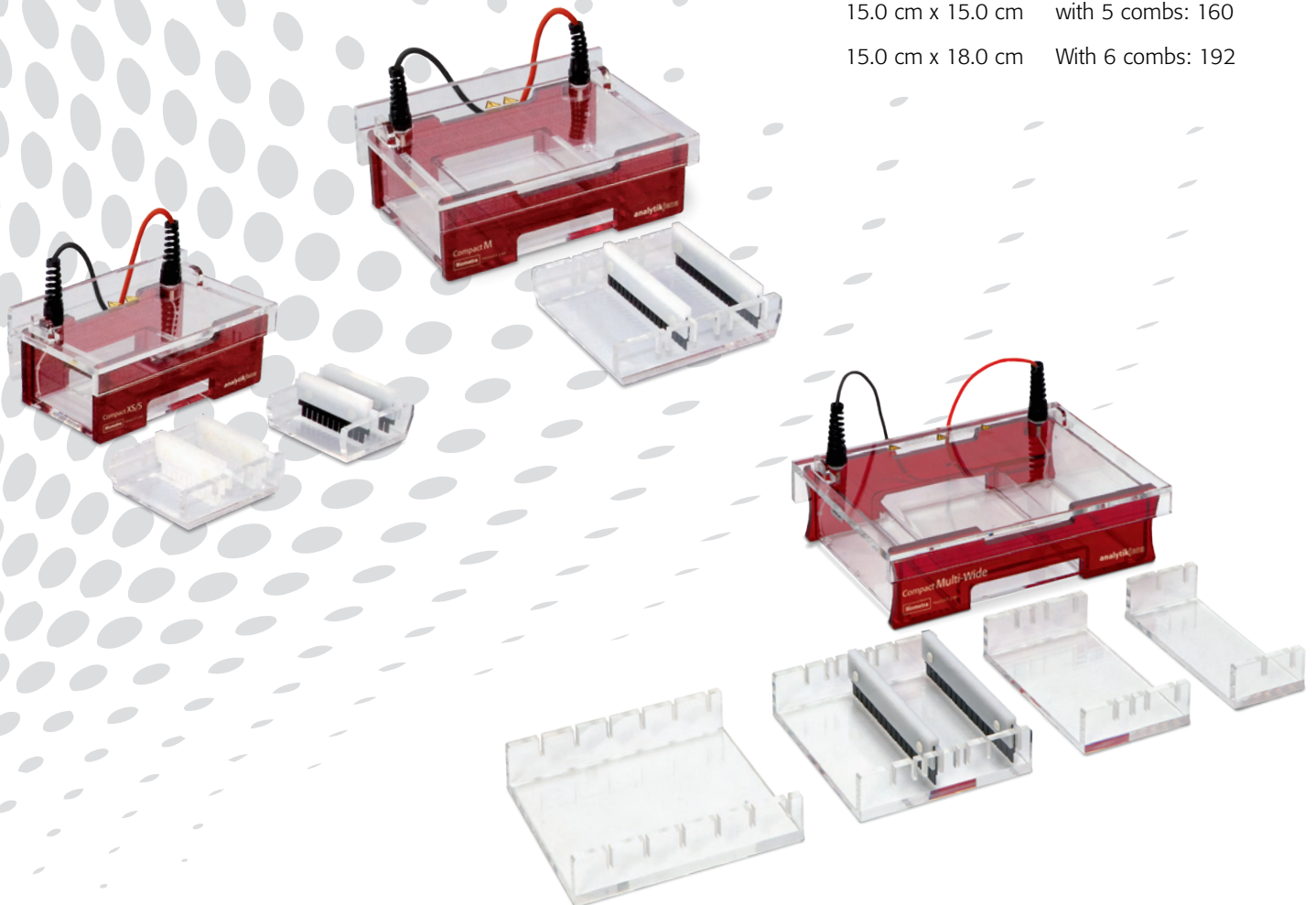
**Compact M** is useful for both the separation of medium sample numbers and for the separation of restriction fragments by longer running distances. Eleven different combs are available. Four of them are multichannel pipet compatible. Rubber feet reliably prevent the chamber from slipping on the bench.

Model	Gel size (W x L)	Max. sample number
Compact M	12.4 cm x 14.5 cm	with 4 combs: 100

**Electrophoresis of various "midi gels"**

**Compact Multi-Wide** is an economically designed version of the Compact family. It addresses to users looking for middle-sized gels with varying number of samples. Four gel trays for different running distances are included and provide for high versatility.

Model	Gel size (W x L)	Max. sample number
Compact Multi-Wide	15.0 cm x 7.0 cm	with 2 combs: 64
	15.0 cm x 10.0 cm	with 3 combs: 96
	15.0 cm x 15.0 cm	with 5 combs: 160
	15.0 cm x 18.0 cm	With 6 combs: 192



**Electrophoresis of "maxi gels"**

The large sized cells **Compact L** and **Compact XL** are designed for high-throughput separation of fragments as well as PCR screening or RFLP.

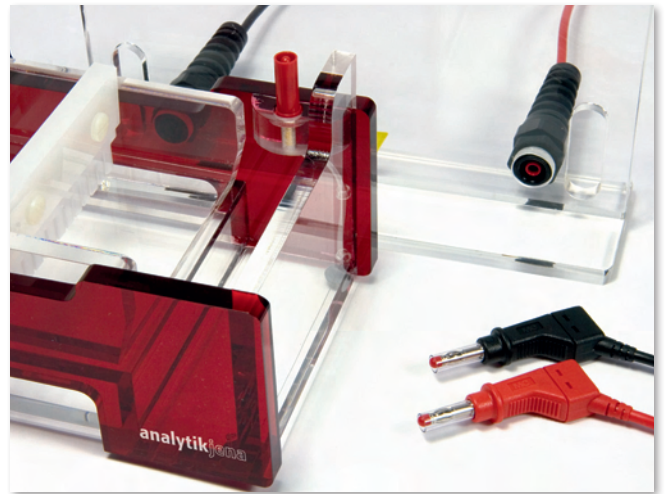
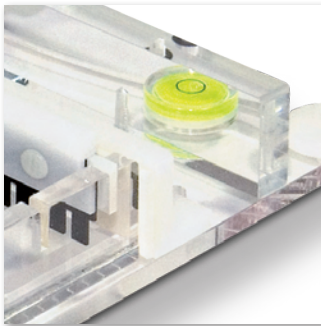
Compact L and Compact XL only differ in their tray and comb versions. Eleven different combs offer a wide choice for sample numbers and volumes.

Especially for the separation of high sample numbers the four different multichannel pipet compatible combs are helpful in saving working time.

Compact XL ideally meets the 96 well plate format. With four 26 well combs the capacity of one microtitre plate plus eight markers can be separated in one run with distances of up to 6 cm.

Using eight 52 well combs with distances of 3 cm the capacity is even up to 416 samples or 4 microtitre plates plus 32 marker lanes!

Compact L and Compact XL come with 4-point leveling feet and a gauge to align the large gels. Thus also uneven working benches are no problem and there is no need for a leveling table.



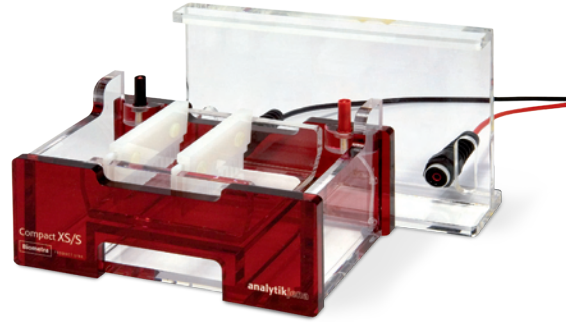
Model	Gel size (W x L)	Max. sample number
Compact L	23.9 cm x 20.0 cm	with 6 combs: 312
Compact XL	23.9 cm x 25.0 cm	with 8 combs: 416

**The chamber**

The Features	The Benefit
A high-quality acrylic construction with strong thickness: 8 mm in models XS/S, M, L/XL, 4 and 8 mm in model Multi-Wide	Well suited for the daily use without leakage or breakage
Well planned design with smoothly rounded edges	Convenient and quick handling as e.g. easy removal of the gel tray without touching the buffer
Specifically adjusted platinum electrodes	Important for a straight running front and sharply separated bands
Sheated 4 mm gold coated safety plugs	Corrosion-free and absolute user-safe







**The safety lid**

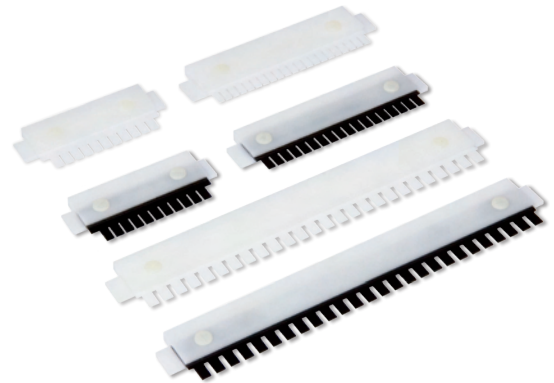
The Features	The Benefit
Lid removal upwards	Free access to the chamber for pipetting  No risk of sample and buffer spillage as could happen with a sliding lid
Special design for positioning of the detached lid (models XS/S, M, L/XL)	Absolute space-saving even with large chambers
All electrical cable ports are sheathed and electrical contact is only reached with fully closed lid.	Absolute user-safe

**The gel trays**

The Features	The Benefit
All trays are UV transparent	The tray with the gel can be directly placed on the UV table for visualisation.
All trays come with multiple comb positions.	High versatility for short to long running distances
Precise comb positions	Combs can be inserted quickly and in stable position.

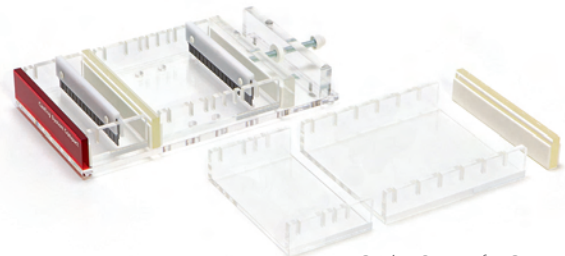
**The combs**

The Features	The Benefit
A variety of colour coded 1.0 mm and 1.5 mm thick combs are available for each tray size.	All chambers are versatile in respect to sample volumes and throughput.
Four multichannel pipet compatible combs are available for each tray size.	Sample loading from a 96 well plate with a multichannel pipet saves time and minimizes the risk of sample mix-up.
	There is the appropriate solution for each demand: combs with 9 mm spacing for easy sample loading or combs with 4.5 mm spacing for highest sample capacity by shifted pipetting.

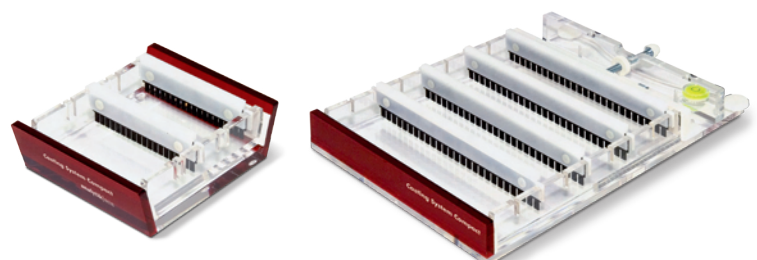


**Gel casting**

The Features	The Benefit
Models XS, S and M come with unique casting tanks.	Leak proof gel casting in seconds.
Models L and XL are completed by a gel caster with 3-point leveling and gauge.	Leak proof and smooth gel casting for both tray sizes L and XL in one caster.
Model Compact-Wide features an „all-in-one“ gel casting system.	Leak proof gel casting for up to three gel trays with movable casting dams.



■ Casting System for Compact Multi-Wide



■ Casting System for Compact M

■ Casting System for Compact L/XL

Model	Gel size, WxL (cm)	Comb thickness (mm)	Number of wells	Sample vol./well (µl)*	Buffer vol. (ml)
Compact XS Compact S	8.2 x 7.1 8.2 x 10.5	1.0	8, MTP, 9 mm spacing	30	360
			11	20	
			13	16	
			16, MTP, 4.5 mm spacing	12	
		1.5	Prep., 1 + 2 markers	342 + 30	
			8, MTP, 9 mm spacing	45	
			11	30	
			13	24	
			16, MTP, 4.5 mm spacing	18	
Compact M	12.4 x 14.5	1.0	11	36	580
			13, MTP, 9 mm spacing	30	
			18	20	
			21	16	
			25, MTP, 4.5 mm spacing	12	
		1.5	Prep., 1 + 2 markers	594 + 30	
			11	54	
			13, MTP, 9 mm spacing	45	
			18	30	
			21	24	
			25, MTP, 4.5 mm spacing	18	
Compact Multi-Wide	15.0 x 7.0 15.0 x 10.0 15.0 x 15.0 15.0 x 18.0	1.0	prep., 2 + 2 marker lanes	261 + 16	1,100 - 1,300
			14	36	
			16, MTP, 9 mm spacing	30	
			22	20	
			26	16	
		1.5	32, MTP, 4.5 mm spacing	12	
			prep., 2 + 2 marker lanes	392 + 24	
			14	55	
			16, MTP, 9 mm spacing	46	
			22	30	
			26	24	
			32, MTP, 4.5 mm spacing	18	

\* refer to 5 mm thick gels

MTP: multichannel pipet compatible

Model	Gel size, W x L (cm)	Comb thickness (mm)	Number of wells	Sample vol./well (µl)*	Buffer vol. (ml)
Compact L Compact XL	23.9 x 20.0 23.9 x 25.0	1.0	22	36	1.660
			26, MTP, 9 mm spacing	30	
			36	20	
			42	16	
			52, MTP, 4.5 mm spacing	12	
		1.5	Prep., 1 + 2 markers	1,284 + 30	
			22	54	
			26, MTP, 9 mm spacing	45	
			36	30	
			42	24	
			52, MTP, 4.5 mm spacing	18	

\* refer to 5 mm thick gels

MTP: multichannel pipet compatible

## Order Information

### Compact XS/S

Systems	Order No.
<b>Compact XS:</b> Chamber with safety lid (W x L x H, cm = 13.6 x 21.6 x 10.6), UV transparent tray for gel size 8.2 cm x 7.1 cm, 2 combs (11 wells, 1.0 mm thick)	846-025-000
<b>Gel casting system XS:</b> Casting chamber for gel tray 8.2 cm x 7.1 cm	846-025-010
<b>Compact XS system:</b> Compact XS + gel casting system XS (see 846-025-000 + 846-025-010)	846-025-099
<b>Compact S:</b> Chamber with safety lid (W x L x H, cm = 13.6 x 21.6 x 10.6), UV transparent tray for gel size 8.2 cm x 10.5 cm, 2 combs (11 wells, 1.0 mm thick)	846-025-100
<b>Gel casting system S:</b> Casting chamber for gel tray 8.2 cm x 10.5 cm	846-025-110
<b>Compact S system:</b> Compact S + gel casting system S (see 846-025-100 + 846-025-110)	846-025-199

Combs, 1.0 mm thick	
8 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-001
11 wells, 20 µl/well	846-025-002
13 wells, 16 µl/well	846-025-003
16 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-004
Combs, 1.5 mm thick	
Preparative comb: 1 well (342 µl) plus 2 marker wells (30 µl/well)	846-025-015
8 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-011
11 wells, 30 µl/well	846-025-012
13 wells, 24 µl/well	846-025-013
16 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-014

Gel trays	
Gel tray XS for 8.2 cm x 7.1 cm gel size, UV transparent, 2 comb positions with 3.0 cm distance	846-025-020
Gel tray XS for 8.2 cm x 10.5 cm gel size, UV transparent, 2 comb positions with 4.7 cm distance, 3 comb positions with 3.1 cm distance	846-025-021
Four loading stripes, adhesive in red/green/yellow each, for gel tray XS and S	846-025-006

**Compact M**

Systems	Order No.
<b>Compact M:</b> Chamber with safety lid (W x L x H, cm = 17.7 x 25.8 x 10.6), UV transparent tray for gel size 12.4 cm x 14.5 cm, 2 combs (18 wells, 1.0 mm thick)	846-025-200
<b>Gel casting system M:</b> Casting chamber for gel tray 12.4 cm x 14.5 cm	846-025-210
<b>Compact M system:</b> Compact M + gel casting system M (see 846-025-200 + 846-025-210)	846-025-299

Combs, 1.0 mm thick	
11 wells, 36 µl/well	846-025-201
13 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-202
18 wells, 20 µl/well	846-025-203
21 wells, 16 µl/well	846-025-204
25 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-205
Combs, 1.5 mm thick	
Preparative comb: 1 well (594 µl) plus 2 marker wells (30 µl/well)	846-025-216
11 wells, 54 µl/well	846-025-211
13 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-212
18 wells, 30 µl/well	846-025-213
21 wells, 24 µl/well	846-025-214
25 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-215

Gel trays	
Gel tray M for 12.4 cm x 14.5 cm gel size, UV transparent, 3 comb positions with 4.5 cm distance, 4 comb positions with 3.3 cm distance	846-025-221
Four loading stripes, adhesive in red/green/yellow each for gel tray M	846-025-206

## Compact Multi-Wide

Systems	Order No.
<b>Compact Multi-Wide:</b> Chamber with safety lid (W x D x H, cm = 29.5 cm x 21.0 cm x 8.5 cm), without accessories!	846-025-500
<b>Compact Multi-Wide:</b> Chamber with safety lid (W x D x H, cm = 29.5 cm x 21.0 cm x 8.5 cm), 4 UV transparent trays for gel size: 15 cm x 7.0 cm / 10.0 cm / 15.0 cm and 18.0 cm, 2 combs (16 wells, 1.0 mm thick)	846-025-509
<b>Gel casting system Multi-Wide:</b> All-in-one gel caster for all Multi-Wide gel tray sizes: 15 cm x 7.0 cm / 10.0 cm / 15.0 cm and 18.0 cm	846-025-510
<b>Compact Multi-Wide system,</b> 4 gel trays 15.0 cm x 7.0 cm / 10.0 cm / 15.0 cm and 18.0 cm, 2 combs (16 well, 1.0 mm thick) + gel casting system Multi-Wide (see 846-025-509 + 846-025-510)	846-025-599
<b>Combs, 1.0 mm thick</b>	
Preparative comb: 2 well (261 µl) plus 2 marker wells (16 µl/well)	846-025-538
14 wells, 36 µl/well	846-025-531
16 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-532
22 wells, 20 µl/well	846-025-533
26 wells, 16 µl/well	846-025-534
32 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-535
<b>Combs, 1.5 mm thick</b>	
Preparative comb: 2 well (392 µl) plus 2 marker wells (24 µl/well)	846-025-548
14 wells, 55 µl/well	846-025-541
16 wells, 46 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-542
22 wells, 30 µl/well	846-025-543
26 wells, 24 µl/well	846-025-544
32 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-545
<b>Gel trays</b>	
Gel tray for 15.0 cm x 7.0 cm gel size, UV transparent, 2 comb positions with 2.9 cm distance	846-025-521
Gel tray for 15.0 cm x 10.0 cm gel size, UV transparent, 2 comb positions with 4.4 cm distance, 3 comb positions with 2.9 cm distance	846-025-522
Gel tray for 15.0 cm x 15.0 cm gel size, UV transparent, 2 comb positions with 6.9 cm distance, 3 comb positions with 4.6 cm distance, 5 comb positions with 2.7 cm distance	846-025-523
Gel tray for 15.0 cm x 18.0 cm gel size, UV transparent, 2 comb positions with 8.4 cm distance, 3 comb positions with 5.6 cm distance, 6 comb positions with 2.8 cm distance	846-025-524
Six loading stripes, adhesive, in red/green/yellow, each. For gel trays Compact Multi-Wide	846-025-506
Movable casting dam set, 2 casting dams to convert the all-in-one casting system for Multi-Wide into a multi-casting system for the shorter gel trays	846-025-528
Casting/Leveling Tray, 20 cm x 30 cm	846-025-550



## Compact L/XL

Systems	Order No.
<b>Compact L:</b> Chamber with leveling feet, gauge and safety lid (W x L x H, cm = 29.4 x 38.2 x 11.2), UV transparent tray for gel size 23.9 cm x 20.0 cm, 3 combs (36 wells, 1.0 mm thick)	846-025-300
<b>Gel casting system L/XL:</b> Gel caster with leveling feet and gauge for gel tray 23.9 cm x 20.0 cm and gel tray 23.9 cm x 25.0 cm	846-025-310
<b>Compact L system:</b> Compact L + gel casting system L/XL (see 846-025-300 + 846-025-310)	846-025-399
<b>Compact XL:</b> Chamber with leveling feet, gauge and safety lid (W x L x H, cm = 29.4 x 38.2 x 11.2), UV transparent tray for gel size 23.9 cm x 25.0 cm, 4 combs (26 well, 1.5 mm thick)	846-025-400
<b>Compact XL system:</b> Compact XL + gel casting system L/XL (see 846-025-400 + 846-025-310)	846-025-499
<b>Combs, 1.0 mm thick</b>	
22 wells, 36 µl/well	846-025-301
26 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-302
36 wells, 20 µl/well	846-025-303
42 wells, 16 µl/well	846-025-304
52 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-305
<b>Combs, 1.5 mm thick</b>	
Preparative comb: 1 well (1284 µl) plus 2 marker wells (30 µl/well)	846-025-316
22 wells, 54 µl/well	846-025-311
26 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	846-025-312
36 wells, 30 µl/well	846-025-313
42 wells, 24 µl/well	846-025-314
52 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	846-025-315
<b>Gel trays</b>	
Gel tray L for 23.9 cm x 20.0 cm gel size, UV transparent, 6 comb positions with 3.1 cm distance	846-025-320
Gel tray XL for 23.9 cm x 25.0 cm gel size, UV transparent, 8 comb positions with 3.0 cm distance	846-025-321
Eight loading stripes, adhesive in red/green/yellow each. For gel tray L and XL	846-025-306

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Änderungen in Ausführungen und Lieferumfang sowie  
technische Weiterentwicklung vorbehalten!

