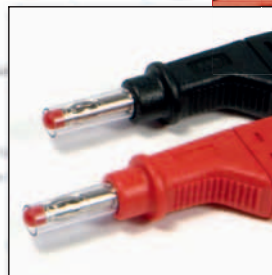
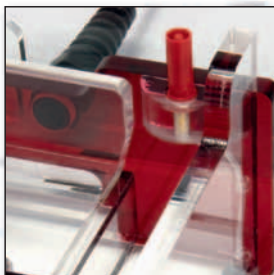
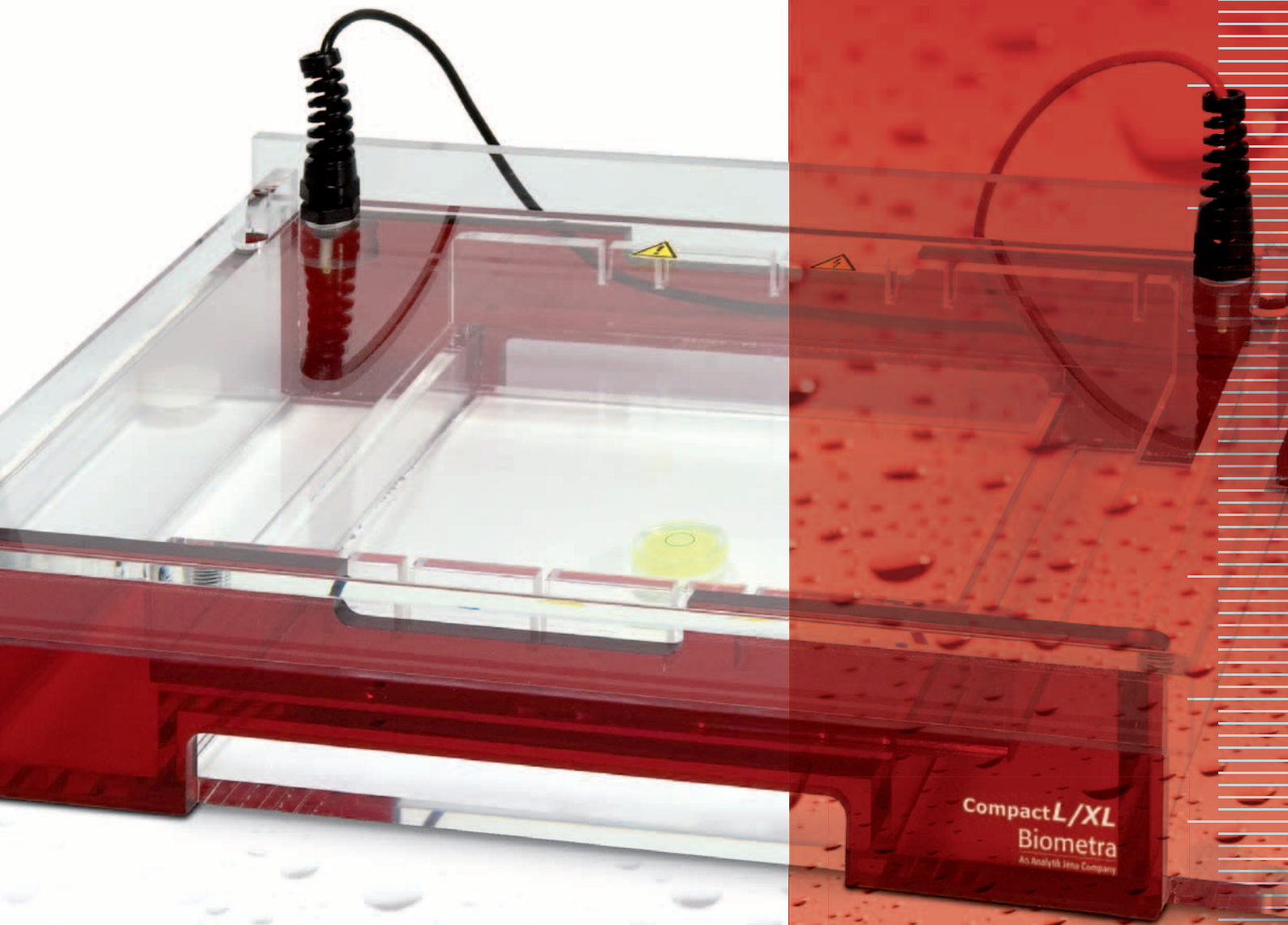


Biometra

An Analytik Jena Company

Dedicated to Agarose
Electrophoresis:

The Compact Family



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An Analytik Jena Company



Innovation · Advancement · Development

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 "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.

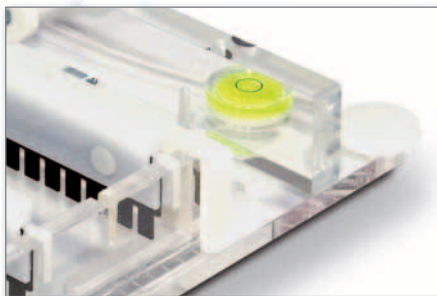
Compact L and Compact XL only differ in their tray and comb versions. Eleven different combs offer a wide choice for sample numbers and volumes.

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 accommodate 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



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 "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



The chamber

THE FEATURES

- A high-quality acrylic construction with 6 and 8 mm wall thickness
- Well planned design with smoothly rounded edges
- Specifically adjusted platinum electrodes
- Sheated 4 mm gold coated safety plugs

THE BENEFIT

- Well suited for the daily use without leakage or breakage
- Convenient and quick handling as e. g. easy removal of the gel tray without touching the buffer
- Important for a straight running front and sharply separated bands
- Corrosion-free and absolute user-safe

The safety lid

THE FEATURES	THE BENEFIT
<ul style="list-style-type: none"> Lid removal upwards 	<ul style="list-style-type: none"> Free access to the chamber for pipetting No risk of sample and buffer spillage as could happen with a sliding lid
<ul style="list-style-type: none"> Special design for positioning of the detached lid 	<ul style="list-style-type: none"> Absolute space-saving even with large chambers
<ul style="list-style-type: none"> All electrical cable ports are sheathed and electrical contact is only reached with fully closed lid. 	<ul style="list-style-type: none"> Absolute user-safe



The gel trays

THE FEATURES	THE BENEFIT
<ul style="list-style-type: none"> All trays are UV transparent 	<ul style="list-style-type: none"> The tray with the gel can be directly placed on the UV table for visualisation.
<ul style="list-style-type: none"> All trays come with multiple comb positions. 	<ul style="list-style-type: none"> High versatility for short to long running distances
<ul style="list-style-type: none"> Precise comb positions 	<ul style="list-style-type: none"> Combs can be inserted quickly and in stable position.

The combs

THE FEATURES	THE BENEFIT
<ul style="list-style-type: none"> A variety of colour coded 1.0 mm and 1.5 mm thick combs are available for each tray size. 	<ul style="list-style-type: none"> All chambers are versatile in respect to sample volumes and throughput.
<ul style="list-style-type: none"> Four multichannel pipet compatible combs are available for each tray size. 	<ul style="list-style-type: none"> Sample loading from a 96 well plate with a multichannel pipet saves time and minimizes the risk of sample mix-up.
	<p>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.</p>



Gel casting

THE FEATURES	THE BENEFIT
<ul style="list-style-type: none"> Models XS, S and M come with unique casting tanks. 	<ul style="list-style-type: none"> Leakfree gel casting in seconds.
<ul style="list-style-type: none"> Models L and XL are completed by a gel caster with 3-point leveling and gauge. 	<ul style="list-style-type: none"> Leakfree and smooth gel casting for both tray sizes L and XL in one caster.



Casting system for Compact M



Casting system for Compact L/XL

The Compact Family

Model	Gel size, W x L (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	30	360
			11	20	
			13	16	
			16, MTP, 4.5 mm	12	
		1.5	Prep., 1 + 2 markers	342 + 30	
			8, MTP, 9 mm	45	
			11	30	
			13	24	
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	
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

Item	Order No.
Compact XS: 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)	025-000
Gel casting system XS: casting chamber for gel tray 8.2 cm x 7.1 cm	025-010
Compact XS system: Compact XS + gel casting system XS (see 025-000 + 025-010)	025-099
Compact S: 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)	025-100
Gel casting system S: casting chamber for gel tray 8.2 cm x 10.5 cm	025-110
Compact S system: Compact S + gel casting system S (see 025-100 + 025-110)	025-199

Accessories for Compact XS and Compact S:

Combs, 1.0 mm thick

8 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	025-001
11 wells, 20 µl/well	025-002
13 wells, 16 µl/well	025-003
16 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	025-004

Combs, 1.5 mm thick

Preparative comb: 1 well (342 µl) plus 2 marker wells (30 µl/well)	025-015
8 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	025-011
11 wells, 30 µl/well	025-012
13 wells, 24 µl/well	025-013
16 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	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	025-020
Gel tray S 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	025-021
Loading stripes, adhesive, red/green/yellow, for gel tray XS and S	025-006



Compact M: 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)	025-200
Gel casting system M: casting chamber for gel tray 12.4 cm x 14.5 cm	025-210
Compact M system: Compact M + gel casting system M (see 025-200 + 025-210)	025-299

Accessories for Compact M:

Combs, 1.0 mm thick	
11 wells, 36 µl/well	025-201
13 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	025-202
18 wells, 20 µl/well	025-203
21 wells, 16 µl/well	025-204
25 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	025-205
Combs, 1.5 mm thick	
Preparative comb: 1 well (594 µl) plus 2 marker wells (30 µl/well)	025-216
11 wells, 54 µl/well	025-211
13 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	025-212
18 wells, 30 µl/well	025-213
21 wells, 24 µl/well	025-214
25 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	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	025-221
Loading stripes, adhesive, red/green/yellow, for gel tray M	025-206

Compact L: 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)	025-300
Gel casting system L/XL: 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	025-310
Compact L system: Compact L + gel casting system L/XL (see 025-300 + 025-310)	025-399
Compact XL: 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)	025-400
Compact XL system: Compact XL + gel casting system L/XL (see 025-400 + 025-310)	025-499

Accessories for Compact L and Compact XL:

Combs, 1.0 mm thick	
22 wells, 36 µl/well	025-301
26 wells, 30 µl/well, multichannel pipet compatible, 9 mm spacing	025-302
36 wells, 20 µl/well	025-303
42 wells, 16 µl/well	025-304
52 wells, 12 µl/well, multichannel pipet compatible, 4.5 mm spacing	025-305
Combs, 1.5 mm thick	
Preparative comb: 1 well (1284 µl) plus 2 marker wells (30 µl/well)	025-316
22 wells, 54 µl/well	025-311
26 wells, 45 µl/well, multichannel pipet compatible, 9 mm spacing	025-312
36 wells, 30 µl/well	025-313
42 wells, 24 µl/well	025-314
52 wells, 18 µl/well, multichannel pipet compatible, 4.5 mm spacing	025-315

Gel trays

Gel tray L for 23.9 cm x 20.0 cm gel size, UV transparent, 6 comb positions with 3.1 cm distance	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	025-321
Loading stripes, adhesive, red/green/yellow, for gel tray L and XL	025-306

Well capacity refers to 5 mm thick gels.

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