



# Product Catalogue

[www.scienova.com](http://www.scienova.com)

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# about scienova

scienova GmbH is located at the research and innovation center Jena in Thuringia (Germany).

Since its foundation in the year 2008, scienova GmbH has been focusing on the development and distribution of automated dialysis cartridges, which make sample dialysis for research and diagnostic processes more productive.

scienova GmbH was founded by scientists from the Institute of Biochemistry at the University Hospital Jena and has built up a large network of partners and distributors since then.

Innovative companies and R&D facilities in the fields of biotech technology, medicine, pharmacy and diagnostics are among our customers.

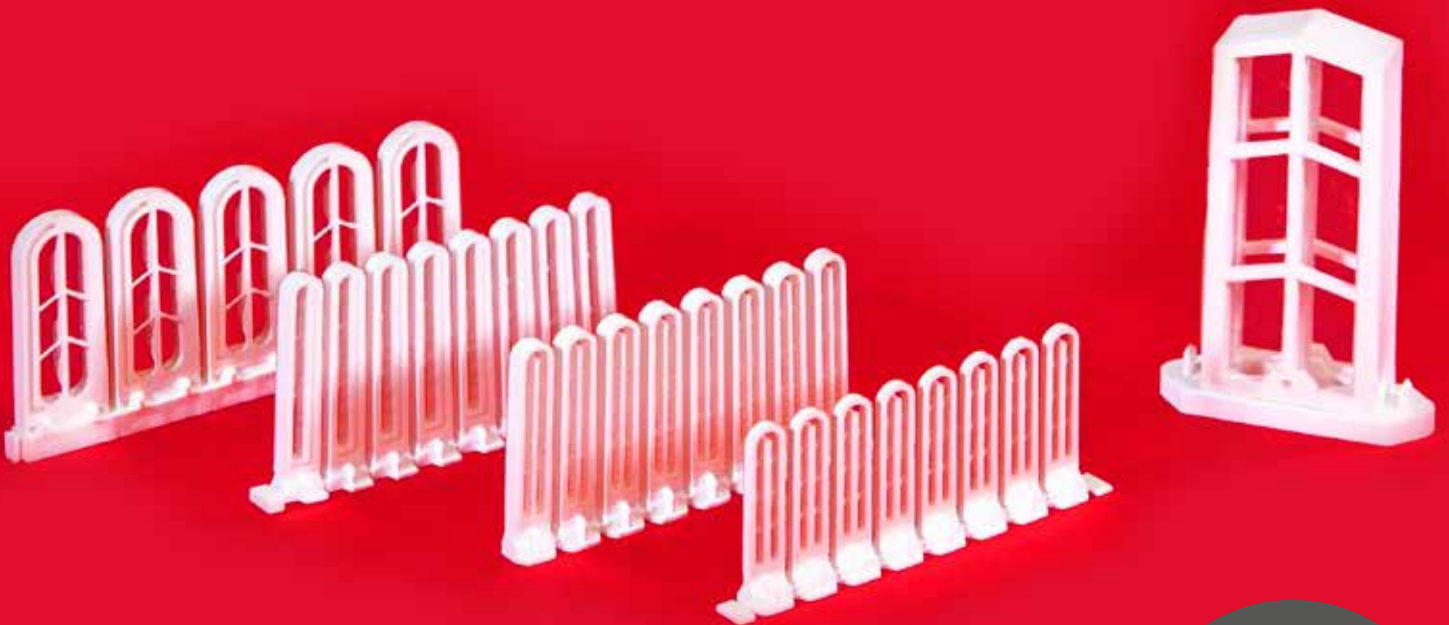
Due to our small organizational structure, we are able to respond flexibly and very quickly to customer-specific inquiries and can implement individual products with parameters according to your specifications.

We invite you to get to know us and our products and to challenge us with your problems.

# Xpress Dialyzer Family



	MD100	ED300	MD1000	MD300	XDR-1
Sample volume	10-100 µl	50-300 µl	150-1000 µl	50-300 µl	1-9 ml
Deep-well plates	96-well	96-well	48-well	96-well	6-well
Membrane material	Regenerated cellulose				
Membrane pore sizes	2   3.5   6-8   12-14   20 kDa				
Temperature	1-60 °C				
pH value	4-8				
Membrane material	Bio-Xell®				
Membrane pore sizes	140 kDa				
Temperature	1-60 °C				
pH-value	5-8				



HANDLING VIDEO

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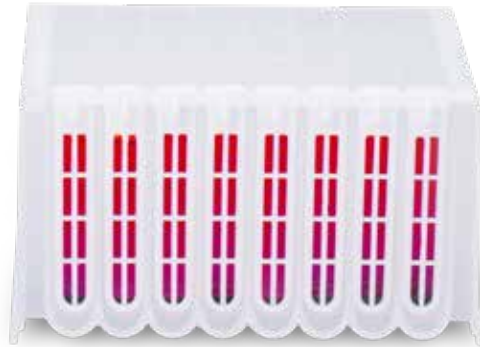
# Xpress Dialyzer



Article	MWCO	Number of samples / Description	Article number
MD100 (10-100 µl)	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40072
		8 pcs. (1 cartridge)	40071
		12 pcs. (segments)	40782
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40840
		60 pcs. (segments, incl. universal rack, beaker, stirrer and forceps, float)	40071-X60
		288 pcs. (segments, incl. universal rack, beaker, stirrer and forceps, float)	40071-X288
6-8 kDa	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40076
		8 pcs. (1 cartridge)	40075
		12 pcs. (segments)	40783
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40841
		60 pcs. (segments, incl. universal rack, beaker, stirrer and forceps)	40075-X60
		288 pcs. (segments, incl. universal rack beaker, stirrer and forceps)	40075-X288
12-14 kDa	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40078
		8 pcs. (1 cartridge)	40077
		12 pcs. (segments)	40784
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40842
		60 pcs. (segments, incl. universal rack, beaker, stirrer and forceps, float)	40077-X60
		288 pcs. (segments, incl. universal rack, beaker, stirrer and forceps, float)	40077-X288
2 kDa	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40932
		8 pcs. (1 cartridge)	40933
20 kDa	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40934
		8 pcs. (1 cartridge)	40935
140 kDa Bio-Xell® (biocel- lulose)	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40930
		8 pcs. (1 cartridge)	40931

# Xpress Dialyzer

## MD300 Xpress Micro Dialyzer



Article	MWCO	Number of samples/Description	Article number
MD300 (50-300 µl)	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40787
		8 pcs. (1 cartridge)	40786
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40843
		12 pcs. (segments)	40786-X12
	6-8 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40789
		8 pcs. (1 cartridge)	40788
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40844
		12 pcs. (segments)	40788-X12
	12-14 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40791
		8 pcs. (1 cartridge)	40790
		48 pcs. (6 cartridges), GridKit48, deep well plate incl. grid and lid	40845
		12 pcs. (segments)	40790-X12
2 kDa		96 pcs. in deep well plate (12 cartridges), sealing sheet	40961
		8 pcs. (1 cartridge)	40962
20 kDa		96 pcs. in deep well plate (12 cartridges), sealing sheet	40963
		8 pcs. (1 cartridge)	40964
140 kDa		96 pcs. in deep well plate (12 cartridges), sealing sheet	40965
Bio-Xell® (biocel- lulose)		8 pcs. (1 cartridge)	40966

## GridKit48 Liquid Handling Position Grid



# Xpress Dialyzer

## ED300

### Xpress Equilibrium Dialyzer



Article	MWCO	Number of samples / Description	Article number
ED300 (50 - 300 µl)	3.5 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40891
		8 pcs. (1 cartridge)	40890
	6-8 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40893
		8 pcs. (1 cartridge)	40892
	12-14 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40895
		8 pcs. (1 cartridge)	40894
	2 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40957
		8 pcs. (1 cartridge)	40956
	20 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40939
		8 pcs. (1 cartridge)	40938
	140 kDa	96 pcs. in deep well plate (12 cartridges), sealing sheet	40937
	Bio-Xell® (biocellulose)	8 pcs. (1 cartridge)	40936

### Two-channel system:

Pipette in sample and remove test dialysate from the top of the Dialyzer without removing sample cartridges



# Xpress Dialyzer

## MD1000 Xpress Mini Dialyzer



Article	MWCO	Number of samples / Description	Article number
MD1000 (50-1000 µl)	3.5 kDa	6 segments in tubes, float	40870
	6-8 kDa	6 segments in tubes, float	40873
	12-14 kDa	6 segments in tubes, float	40876
	2 kDa	6 segments in tubes, float	40991
	20 kDa	6 segments in tubes, float	40994
	140 kDa Bio-Xell®	6 segments in tubes, float	40997
	3.5 kDa	6 segments in tubes (plus 6 additional tubes), float	40871
	6-8 kDa	6 segments in tubes (plus 6 additional tubes), float	40874
	12-14 kDa	6 segments in tubes (plus 6 additional tubes), float	40877
	2 kDa	6 segments in tubes (plus 6 additional tubes), float	40992
	20 kDa	6 segments in tubes (plus 6 additional tubes), float	40995
	140 kDa Bio-Xell®	6 segments in tubes (plus 6 additional tubes), float	40998
	3.5 kDa	48 segments in 48-deep well plate (Kit), sealing sheet	40872
	6-8 kDa	48 segments in 48-deep well plate (Kit), sealing sheet	40875
12-14 kDa	48 segments in 48-deep well plate (Kit), sealing sheet	40878	
2 kDa	48 segments in 48-deep well plate (Kit), sealing sheet	40993	
20 kDa	48 segments in 48-deep well plate (Kit), sealing sheet	40996	
140 kDa Bio-Xell®	48 segments in 48-deep well plate (Kit), sealing sheet	40999	

# Xpress Dialyzer

## XDR-1 Xpress Dialysis Reactor



Article	MWCO	Number of samples / Description	Article number
XDR-1 (1-19 ml)	3.5 kDa	1 x Dialyzer, 1 x floater, 3 x plug	41023
	6-8 kDa	1 x Dialyzer, 1 x floater, 3 x plug	41026
	12-14 kDa	1 x Dialyzer, 1 x floater, 3 x plug	41029
	3.5 kDa	6 x Dialyzer, 18 x plug, 6 x disposable syringe, sealing sheet, 6-deep well plate (80 ml)	41024
	6-8 kDa	6 x Dialyzer, 18 x plug, 6 x disposable syringe, sealing sheet, 6-deep well plate (80 ml)	41027
	12-14 kDa	6 x Dialyzer, 18 x plug, 6 x disposable syringe, sealing sheet, 6-deep well plate (80 ml)	41030
	3.5 kDa	6 x Dialyzer, 3 x floater, 18 x plug, 6 x disposable syringe	41025
	6-8 kDa	6 x Dialyzer, 3 x floater, 18 x plug, 6 x disposable syringe	41028
	12-14 kDa	6 x Dialyzer, 3 x floater, 18 x plug, 6 x disposable syringe	41031

Article	Number of samples / Description	Article number
XDR Accessories	2 x tube connection (angle connection)	41038
	2 x plug small	41039
	1 x plug big	41040
	2 x straight connection	41041
	1 x silicone tube (1,5 m)	41042
	1 x 6-deep well plate, 1 x sealing sheet	41046
	6 x disposable syringe (20 ml)	41044





# GridKit48

## Liquid Handling Position Grid

- Available with scienova Xpress Dialyzer MD100, MD300 and ED300
- Free positions in grid can be used for buffer handling while dialysis
- Designed and tested as automated liquid handling device



## ● our quality

scienova GmbH has been certified for the quality management system according to ISO 9001:2015 since the year 2016. We guarantee quality assurance throughout the entire manufacturing process.

We ensure the consistent quality of our products through regular quality controls and document these quality data in batch certificates.

With our longtime market experience and scientific know-how we pursue a continuous product development process. Our focus is set on the improvement in dialysis efficiency by innovative high-performance products.

# Xpress Dialyzer

## Mixing Box

### Xpress Magnetic Mixing Dialysis Box



(magnetic stirrer is not part of the product)

Article	MWCO	Number of samples / Description	Article number
Xpress Magnetic Mixing Dialysis Box	3.5 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40940
		Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40941
MD100 (10-100 µl)	6-8 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40942
		Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40943
	12-14 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40944
		Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40945
	2 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40946
		Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40947
	20 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40948
		Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40958
	140 kDa	96 samples (12 cartridges MD100), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpsons	40959
	Bio-Xell®	Refill kit, 96 samples (12 cartridges MD100), handling box, sealing film	40960

## Xpress Dialyzer

Article	MWCO	Number of samples / Description	Article number	
Xpress Magnetic Mixing Dialysis Box  MD300 (50-300 µl)	3.5 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40969	
		Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	40970	
	6-8 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40971	
		Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	40972	
	12-14 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40973	
		Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	40974	
	2 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	41003	
		Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	41004	
	20 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40975	
		Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	40976	
	140 kDa	96 samples (12 cartridges MD300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40977	
	Bio-Xell®	Refill kit, 96 samples (12 cartridges MD300), handling box, sealing film	40978	
	Xpress Magnetic Mixing Dialysis Box  ED300 (50-300 µl)	3.5 kDa	96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40981
			Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40982
6-8 kDa		96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40983	
		Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40984	
12-14 kDa		96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40985	
		Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40986	
2 kDa		96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40979	
		Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40980	

# Xpress Dialyzer

Article	MWCO	Number of samples / Description	Article number
Xpress Magnetic Mixing Dialysis Box	20 kDa	96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40987
<b>ED300</b> (50-300 $\mu$ l)		Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40988
	140 kDa	96 samples (12 cartridges ED300), dialysis and handling box, magnetic stirrer, sealing film, self adhesive positioning bumpers	40989
	Bio-Xell®	Refill kit, 96 samples (12 cartridges ED300), handling box, sealing film	40990

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## Dialysis Tubes



Article	MWCO	Samples	Description	Article number
Mini (10-250 µl)	6-8 kDa	10	GeBAflex-tube kit (10) Mini, 6-8 kDa, Float, Manual	40176
		30	GeBAflex-tube kit (30) Mini, 6-8 kDa, Float, Manual	40178
	12-14 kDa	10	GeBAflex-tube kit (10) Mini, 12-14 kDa, Float, Manual	40177
		30	GeBAflex-tube kit (30) Mini, 12-14 kDa, Float, Manual	40179
Midi (100-800 µl)	25 kDa	5	GeBAflex-tube kit (5) Mini, 25 kDa, Float, Manual	40899
	1 kDa	5	GeBAflex-tube kit (5) Mini, 1 kDa, Float, Manual	40898
	3.5 kDa	10	GeBAflex-tube kit (10) Midi, 3.5 kDa, Float, Manual	40180
		30	GeBAflex-tube kit (30) Midi, 3.5 kDa, Float, Manual	40181
	6-8 kDa	10	GeBAflex-tube kit (10) Midi, 6-8 kDa, Float, Manual	40182
		30	GeBAflex-tube kit (30) Midi, 6-8 kDa, Float, Manual	40183

## Dialysis Tubes

Article	MWCO	Samples	Description	Article number
Maxi (0.1-3 ml)	3.5 kDa	5	GeBAflex-tube kit (5) Maxi, 3.5 kDa, Float, Manual	40184
		15	GeBAflex-tube kit (15) Maxi, 3.5 kDa, Float, Manual	40185
	6-8 kDa	5	GeBAflex-tube kit (5) Maxi, 6-8 kDa, Float, Manual	40186
		15	GeBAflex-tube kit (15) Maxi, 6-8 kDa, Float, Manual	40187
	12-14 kDa	5	GeBAflex-tube kit (5) Maxi, 12-14 kDa, Float, Manual	40188
		15	GeBAflex-tube kit (15) Maxi, 12-14 kDa, Float, Manual	40189
	25 kDa	5	GeBAflex-tube kit (5) Maxi, 25 kDa, Float, Manual	40896
	50 kDa	15	GeBAflex-tube kit (15) Maxi, 50 kDa, Float, Manual	40897
Mega (10-20 ml)	1 kDa	5	GeBAflex-tube kit (5) Mega, 1 kDa, Float, Manual, 10 ml	41000
		5	GeBAflex-tube kit (5) Mega, 1 kDa, Float, Manual, 15 ml	41001
		5	GeBAflex-tube kit (5) Mega, 1 kDa, Float, Manual, 20 ml	41002
	3.5 kDa	10	GeBAflex-tube kit (10) Mega, 3.5 kDa, Float, Manual, 10 ml	40190
		10	GeBAflex-tube kit (10) Mega, 3.5 kDa, Float, Manual, 15 ml	40193
		10	GeBAflex-tube kit (10) Mega, 3.5 kDa, Float, Manual, 20 ml	40196
	6-8 kDa	10	GeBAflex-tube kit (10) Mega, 6-8 kDa, Float, Manual, 10 ml	40191
		10	GeBAflex-tube kit (10) Mega, 6-8 kDa, Float, Manual, 15 ml	40194
		10	GeBAflex-tube kit (10) Mega, 6-8 kDa, Float, Manual, 20 ml	40197
	12-14 kDa	10	GeBAflex-tube kit (10) Mega, 12-14 kDa, Float, Manual, 10 ml	40192
		10	GeBAflex-tube kit (10) Mega, 12-14 kDa, Float, Manual, 15 ml	40195
		10	GeBAflex-tube kit (10) Mega, 12-14 kDa, Float, Manual, 20 ml	40198



# Dialysis Tubes

## ZelluTrans



Article	MWCO	width   Ø [mm]	ml/ cm	description	Article number
T1	3.5 kDa	46   29.3	6.7	Dialysis membrane 5 m, Manual, data sheet	40203-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40203
T2	6-8 kDa	40   25.5	5.1	Dialysis membrane 5 m, Manual, data sheet	40215-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40215
		50   31.9	8.0	Dialysis membrane 5 m, Manual, data sheet	40216-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40216
T3	12-14 kDa	45   28.6	6.4	Dialysis membrane 5 m, Manual, data sheet	40224-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40224
T4	12-14 kDa	25   16	2.0	Dialysis membrane 5 m, Manual, data sheet	40228-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40228
		45   28.6	6.4	Dialysis membrane 5 m, Manual, data sheet	40230-5
				Dialysis membrane 30 m, Manual, data sheet, scissors and two clamps	40230
Clamps for Dialysis Tubes				Clamps for Dialysis Tubes (46 mm), 10 pcs.	40329-2
				Clamps for Dialysis Tubes (46 mm), 2 pcs.	40329
				Clamps for Dialysis Tubes (65 mm), 10 pcs.	40330
				Clamps for Dialysis Tubes (65 mm), 2 pcs.	40330-2
				Clamps for Dialysis Tubes (105 mm), 10 pcs.	40238
				Clamps for Dialysis Tubes (105 mm), 2 pcs.	40327

## Dialysis Accessories



Description	Article number
96-deep well plate (volume per well 2.2 ml)	40785
48-deep well plate (volume per well 5.0 ml)	40879
Float for XPRESS Micro Dialyzer Cartridges	40750
Float for MD100/MD300/ED300/MD1000 or GeBAflex Mini/Midi	40795
Float for MD1000 or GeBAflex Maxi	40797
Sealing sheets for XPRESS Micro Dialyzer (MD100/MD300)	40751
Sealing sheet for deep well plate (included in Dialyzer kits)	40949
Sample tubes for MD300 with screw caps, 10 pcs.	40799-10
Sample tubes for MD1000, with screw caps, 6 pcs.	40880



# Cryo Labels



Dimensions [mm]	description	Article number
24 x 20	20 sheets, white, matte, 72 labels per sheet, 1440 labels per pack, Template for setting up your printer	80030
	50 sheets, white, matte, 72 labels per sheet, 3600 labels per pack, Template for setting up your printer	80031
28 x 12	20 sheets, white, matte, 90 labels per sheet, 1800 labels per pack, Template for setting up your printer	80020
	50 sheets, white, matte, 90 labels per sheet, 4500 labels per pack, Template for setting up your printer	80021
33 x 14	20 sheets, white, matte, 85 labels per sheet, 1700 labels per pack, Template for setting up your printer	80060
	50 sheets, white, matte, 85 labels per sheet, 4250 labels per pack, Template for setting up your printer	80061
36 x 14	20 sheets, white, matte, 68 labels per sheet, 1360 labels per pack, Template for setting up your printer	80010
	50 sheets, white, matte, 68 labels per sheet, 3400 labels per pack, Template for setting up your printer	80011
67 x 25	20 sheets, white, matte, 22 labels per sheet, 440 labels per pack, Template for setting up your printer	80050
	50 sheets, white, matte, 22 labels per sheet, 1100 labels per pack, Template for setting up your printer	80051
70 x 70	20 sheets, white, matte, 8 labels per sheet, 160 labels per pack, Template for setting up your printer	80040
	50 sheets, white, matte, 8 labels per sheet, 400 labels per pack, Template for setting up your printer	80041
10 mm round	20 sheets, 10 mm round, white, matte, 247 labels per sheet, 4940 labels per pack, Template for setting up your printer	80080



# Labelling Software Barcode Forge scienova

Article	Description	Article number
Barcode Forge scienova	workstation license for labeling software Barcode Forge scienova on USB-Stick including quick start guide	81100
Startpackage Barcode Forge scienova	cryo labels 24 x 20, 20 sheets including software and quick start guide on usb-stick	80032
	cryo labels 28 x 12, 20 sheets including software and quick start guide on usb-stick	80022
	cryo labels 33 x 14, 20 sheets including software and quick start guide on usb-stick	80062
	cryo labels 36 x 14, 20 sheets including software and quick start guide on usb-stick	80012
	cryo labels 67 x 25, 20 sheets including software and quick start guide on usb-stick	80052
	cryo labels 70 x 70, 20 sheets including software and quick start guide on usb-stick	80042

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[www.scienova.com](http://www.scienova.com)



" We used the scienova's Xpress Micro Dialyzer to process our proteomics samples, e.g. for removal of modifying reagents before tryptic digestion. The easy handling and dialysis speed convinced us."

PD Dr. med. habil. Heidrun Rhode, Leader of Proteomics working group at Institute of Biochemistry, University Hospital of Jena

"We especially like to use the high-quality A4 Cryo-Labels of scienova because they adhere very good on our sample vessels and can easily be printed."

PD Dr. phil. nat. Christian Troidl,  
Kerckhoff Institute for Heart Research with Justus-Liebig-  
University Gießen GmbH

## our references

" We use the dialysis devices MD100 and MD300 of scienova for sample preparation. Advantages for us are the easy handling and fast sample preparation."

University of Gdansk  
Intercollegiate Faculty of Biotechnology UG&MUG

We use the scienova Xpress Micro Dialyzer MD100 and MD1000 for cell culture experiments. We are convinced of the efficiency of these dialysis cartridges. "

Dipl.-Ing. Katrin Frankenfeld, fzmb GmbH, Research center for medical technology and biotechnology





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