

General Pricelist

(EXW Baar or Brno, reference price in EUR, prices and specifications are subject to change)

Art. No.	Item	EUR
4801	PRECIFLOW peristaltic pump, 0-600 ml/hr	1'198
4901	MULTIFLOW peristaltic pump, 0-600 ml/hr, programmable	1'498
5001	HIFLOW peristaltic pump, 0-3'000 ml/hr, programmable	1'798
6001	MAXIFLOW peristaltic pump, 0-10'000 ml/hr, programmable	1'998
6002	MEGAFLOW peristaltic pump, 0-60 l/hr, programmable	2'798
5812	DOSER powder doser, programmable (capacity approx. 0.2 l)	1'799
5812-L	DOSER powder doser, programmable (capacity approx. 1 l)	1'899
5812-3L	DOSER powder doser, programmable (capacity approx. 3 l)	2'099
5813-0.2L	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 0.2 l)	2'599
5813-1L	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 1 l)	2'699
5813	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 3 l)	2'899
6901	OMNICOLL fraction collector/sampler, programmable	3'959
7001	VIT-FIT syringe pump, programmable	1'718
7002	VIT-FIT HP high-pressure syringe pump, programmable	2'498
800010-03	MINIFOR laboratory fermentor/bioreactor advanced kit, 0.3 l jacketed vessel, min. vol 35 ml	13'498
800010-03R	MINIFOR laboratory fermentor/bioreactor start-up kit, 0.3 l jacketed vessel, min. vol 35 ml	9'998
800010-04	MINIFOR laboratory fermentor/bioreactor advanced kit 0.4 l vessel	13'098
800010-04R	MINIFOR laboratory fermentor/bioreactor start-up kit 0.4 l vessel	9'598
800010-1	MINIFOR laboratory fermentor/bioreactor advanced kit 1 l vessel	13'098
800010-1R	MINIFOR laboratory fermentor/bioreactor start-up kit 1 l vessel	9'598
800010-3	MINIFOR laboratory fermentor/bioreactor advanced kit 3 l vessel	13'498
800010-3R	MINIFOR laboratory fermentor/bioreactor start-up kit 3 l vessel	9'998
800010-7	MINIFOR laboratory fermentor/bioreactor advanced kit 7 l vessel	13'998
800010-7R	MINIFOR laboratory fermentor/bioreactor start-up kit 7 l vessel	10'498
8071	MASSFLOW 5000 programmable gas flow controller (0-5 l/min)	1'618
8072	MASSFLOW 500 programmable gas flow controller (0-500 ml/min)	1'838
8071-s	MASSFLOW 5000 gas flow measurement (0-5 l/min)	1'290
8072-s	MASSFLOW 500 gas flow measurement (0-500 ml/min)	1'490
8072-hs	MASSFLOW 500 high sensitivity gas flow measurement (0-500 ml/min)	1'790
8090	AeroSilento pressure-regulated air compressor and vacuum pump	2'300
8091	Peltier cooling trap for AeroSilento pressure-regulated air compressor	990
Accessories		
4803	PUMP-FLOW INTEGRATOR (for LAMBDA pumps, DOSER and MASSFLOW)	351
4810-o	Pump remote control (analog and digital) cable, 8 poles (open ends)	35
4802	Pump ON/OFF remote control cable, 2 poles (open ends)	25
4823	Foot switch for ON/OFF switching	100
4823-b	Foot switch for ON/OFF switching (bistable switch)	140
4824	Cable for inverted analog ON/OFF control, 8 poles	40
Interface and Control software		
4822	RS-232 interface	99
4816	RS-485 interface	99
4817-kit	RS-485 connection kit (for connection to a serial port or USB port)	116
4817	RS-232/485 converter	52
4818-EU	Power supply for RS-232/485 converter (5 V / 1 W), EU-plug	15
4818-US	Power supply for RS-232/485 converter (5 V / 15 W), US-plug	15
4818-UK	Power supply for RS-232/485 converter (5 V / 15 W), UK-plug	15
4818-AU	Power supply for RS-232/485 converter (5 V / 15 W), AU-plug	15
4819-P	RS-485 connection cable	30
4819-232	RS-232 connection cable	30
4819-PE	RS-485 line cable with extension plug for connection of an additional instrument	39
4819-ES	RS-232 serial line extension cable (Converter - PC)	20
4819-USB	USB to RS-232 converter	19
6600	PNet control software for LAMBDA peristaltic and syringe pumps, DOSER and MASSFLOW	576
800601	FNet fermenter control software for PC control of up to 6 fermentors, 12 integrators and 6 pumps	1'600
800602	PC connection kit with RS-485 to RS-232 converter and USB connection	256
800603	SIAM industrial fermentation software	1'920
800604	Modern quality brand laptop with Windows operating system (preconfigured)	799
800202	Quadruple plug box (power and RS-connection for up to 4 LAMBDA laboratory instruments)	95

Pictures of many accessories can be seen on our website:

<http://www.lambda-instruments.com>

Peristaltic & Syringe Pumps

(EXW Baar or Brno, reference price in EUR, prices and specifications are subject to change)

Art. No.	Item	EUR
4801	PRECIFLOW peristaltic pump, 0-600 ml/hr	1'198
4901	MULTIFLOW peristaltic pump, 0-600 ml/hr, programmable	1'498
5001	HIFLOW peristaltic pump, 0-3'000 ml/hr, programmable	1'798
6001	MAXIFLOW peristaltic pump, 0-10'000 ml/hr, programmable	1'998
6002	MEGAFLOW peristaltic pump, 0-60 l/hr, programmable	2'798
7001	VIT-FIT syringe pump, programmable	1'718
7002	VIT-FIT HP high-pressure syringe pump, programmable	2'498
Accessories		
4803	PUMP-FLOW INTEGRATOR (for LAMBDA pumps, DOSER and MASSFLOW)	351
4810-o	Pump remote control (analog and digital) cable, 8 poles (open ends)	35
4802	Pump ON/OFF remote control cable, 2 poles (open ends)	25
4823	Foot switch for ON/OFF switching	100
4823-b	Foot switch for ON/OFF switching (bistable switch)	140
4824	Cable for inverted analog ON/OFF control, 8 poles	40
4830	Valve connection cable 6-poles (open ends) for VIT-FIT syringe pump	49
Interface and Control software		
4822	RS-232 interface	99
4816	RS-485 interface	99
4817-kit	RS-485 connection kit (for connection to a serial port or USB port)	116
4817	RS-232/485 converter	52
4818-EU	Power supply for RS-232/485 converter (5 V / 1 W), EU-plug	15
4818-US	Power supply for RS-232/485 converter (5 V / 15 W), US-plug	15
4818-UK	Power supply for RS-232/485 converter (5 V / 15 W), UK-plug	15
4818-AU	Power supply for RS-232/485 converter (5 V / 15 W), AU-plug	15
4819-P	RS-485 connection cable	30
4819-232	RS-232 connection cable	30
4819-PE	RS-485 line cable with extension plug for connection of an additional instrument	39
4819-ES	RS-232 serial line extension cable (Converter - PC)	20
4819-USB	USB to RS-232 converter	19
6600	PNet control software for LAMBDA peristaltic and syringe pumps, DOSER and MASSFLOW	576
800202	Quadruple plug box (power and RS-connection for up to 4 LAMBDA laboratory instruments)	95
Spare parts		
4820-EU	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (EU-plug)	57
4820-US	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (US-plug)	57
4820-UK	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (UK-plug)	57
4820-AU	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (AU-plug)	57
4821-EU	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (EU-plug)	70
4821-US	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (US-plug)	70
4821-UK	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (UK-plug)	70
4821-AU	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (AU-plug)	70
6003-EU	Plug-in power supply (12 V / 65 W) for MEGAFLOW (EU-plug)	80
6003-US	Plug-in power supply (12 V / 65 W) for MEGAFLOW (US-plug)	80
6003-UK	Plug-in power supply (12 V / 65 W) for MEGAFLOW (UK-plug)	80
6003-AU	Plug-in power supply (12 V / 65 W) for MEGAFLOW (AU-plug)	80
4805	Roller	12
4806	Stainless steel spring	6
4807	Excentric lever	37
4808	Rotor	130
4809	Cover	57
4811	Pump head	398
4813-s	Stepping motor (PRECIFLOW, MULTIFLOW)	140
4813-b	BLDC motor (HIFLOW, VIT-FIT)	160
4813-bm	BLDC motor (MAXIFLOW)	160
4814-s	Gearbox (PRECIFLOW, MULTIFLOW)	120
4814-b	Gearbox (HIFLOW, VIT-FIT)	250
4814-bm	Gearbox (MAXIFLOW)	250
4815-1	Silicone tubing 0.5/2.5 mm x 10 m	17

4815-2	Silicone tubing 1/3 mm x 10 m	17
4815-3	Silicone tubing 2/4 mm x 10 m	19
4815-4	Silicone tubing 3/5 mm x 10 m	19
4815-5	Silicone tubing 4/6 mm x 10 m	19
4815-3v	Viton tubing 2/4 mm x 5 m	59
4815-4v	Viton tubing 3/5 mm x 5 m	59
4815-5v	Viton tubing 4/6 mm x 5 m	59
800113	Stainless steel tubing clamp	10
7010	Syringe fixing strap	25

Pictures of many accessories can be seen on our website:

<http://www.peristalticpump.info>

<http://www.syringepump.info/>

Laboratory Fermenter-Bioreactor MINIFOR

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Art. No.	Item	EUR
Laboratory fermentation and cell-culture kits		
800010-03	Minifor advanced kit 0.3 l jacketed vessel min. vol. 35 ml contains all for common fermentations	13'498
800010-03R	Minifor start-up kit 0.3 l jacketed vessel min. vol. 35 ml (without pumps and pO ₂ -electrode)	9'998
800010-04	Minifor advanced kit 0.4 l contains all what is necessary for common fermentations	13'098
800010-04R	Minifor start-up kit 0.4 l (without pumps and pO ₂ -electrode)	9'598
800010-1	Minifor advanced kit 1 l contains all what is necessary for common fermentations	13'098
800010-1R	Minifor start-up kit 1 l (without pumps and pO ₂ -electrode)	9'598
800010-3	Minifor advanced kit 3 l contains all what is necessary for common fermentations	13'498
800010-3R	Minifor start-up kit 3 l (without pumps and pO ₂ -electrode)	9'998
800010-7	Minifor advanced kit 7 l contains all what is necessary for common fermentations	13'998
800010-7R	Minifor start-up kit 7 l (without pumps and pO ₂ -electrode)	10'498
800011	Additional pump line, e.g. for controlled addition of acid or base (pH-control) (PRECIFLOW pump 0-600 ml/h, reagent bottle with pipes, fittings and filter, magnetic bottle holder, tubing)	1'433
800011-p	Additional pump line e.g. for harvest (PRECIFLOW 0-600 ml/h, reagent bottle with pipes, fittings, filter, tubing)	1'355
800011-m	Additional pump line e.g. for feed (MULTIFLOW 0-600 ml/h, reagent bottle with pipes, fittings, filter, tubing)	1'655
800011-h	Additional pump line (HIFLOW 0-3'000 ml/h, reagent bottle with pipes, fittings, filter, tubing)	1'955
800011-x	Additional pump line (MAXIFLOW 0-10'000 ml/h, reagent bottle with pipes, fittings, filter, tubing)	2'155
800012	Additional regulated gas flow (LAMBDA MASSFLOW 0-5 l/min) for pH/pO ₂ control in cell cultures	1'618
800013	Additional regulated gas flow (LAMBDA MASSFLOW 0-500 ml/min) for pH/pO ₂ control in cell cultures	1'838
8071-s	MASSFLOW 5000 gas flow measurement (0-5 l/min)	1'290
8072-s	MASSFLOW 500 gas flow measurement (0-500 ml/min)	1'490
8072-hs	MASSFLOW 500 high sensitivity gas flow measurement (0-500 ml/min)	1'790
800019	Basic control unit (one unit is included in the start up kit and the advanced kit) (with electronics, display and internal software for measurement and control of 6 parameters, vibromixer and IR heater)	6'950
Additional vessel options		
800N03-sp04-set	Additional 0.3 l jacketed vessel (min. 35 ml) for existing MINIFOR 0.4 l system (set)	1'357
800N03-sp1-set	Additional 0.3 l jacketed vessel (min. 35 ml) for existing MINIFOR 1 l system (set)	1'357
800N03-sp3-set	Additional 0.3 l jacketed vessel (min. 35 ml) for existing MINIFOR 3 l system (set)	1'357
800N03-sp7-set	Additional 0.3 l jacketed vessel (min. 35 ml) for existing MINIFOR 7 l system (set)	1'357
800N04-sp03-set	Additional 0.4 l vessel for existing MINIFOR 0.3 l system (set)	1'185
800N04-sp1-set	Additional 0.4 l vessel for existing MINIFOR 1 l system (set)	1'082

800N04-sp3-set	Additional 0.4 l vessel for existing MINIFOR 3 l system (set)	1'082
800N04-sp7-set	Additional 0.4 l vessel for existing MINIFOR 7 l system (set)	1'082
800N1-sp03-set	Additional 1 l vessel for existing MINIFOR 0.3 l system (set)	1'305
800N1-sp04-set	Additional 1 l vessel for existing MINIFOR 0.4 l system (set)	1'221
800N1-sp3-set	Additional 1 l vessel for existing MINIFOR 3 l system (set)	1'036
800N1-sp7-set	Additional 1 l vessel for existing MINIFOR 7 l system (set)	1'156
800N3-sp03-set	Additional 3 l vessel for existing MINIFOR 0.3 l system (set)	1'505
800N3-sp04-set	Additional 3 l vessel for existing MINIFOR 0.4 l system (set)	1'421
800N3-sp1-set	Additional 3 l vessel for existing MINIFOR 1 l system (set)	1'236
800N3-sp7-set	Additional 3 l vessel for existing MINIFOR 7 l system (set)	1'291
800N7-sp03-set	Additional 7 l vessel for existing MINIFOR 0.3 l system (set)	2'052
800N7-sp04-set	Additional 7 l vessel for existing MINIFOR 0.4 l system (set)	1'968
800N7-sp1-set	Additional 7 l vessel for existing MINIFOR 1 l system (set)	1'903
800N7-sp3-set	Additional 7 l vessel for existing MINIFOR 3 l system (set)	1'838

Reactors

800N03-J	Fermentation vessel 0.3 l (jacketed); minimum working volume 35 ml (6 side arms)	690
800N04-L	Fermentation vessel 0.4 l low (8 side arms)	590
800N1	Fermentation vessel 1 l (8 side arms)	640
800N3	Fermentation vessel 3 l (8 side arms)	750
800N7	Fermentation vessel 7 l (8 side arms)	910
800N7-l	Fermentation vessel 7 l, lower part	450
800N7-u	Fermentation vessel 7 l, upper part	550
800N7-f	Fixation belt for 7 l vessel	49
800055	Open screw cap small SVL 22	4
800056	Open screw cap large SVL 30	5
800020-S	Silicone stopper for small unused ports	12
800020-L	Silicone stopper for large unused ports	19
800021	Silicone open stopper (opening diam. 12 mm)	16
800022	Silicone open stopper (opening diam. 12.8 mm), colored, for pO2 probe	16
800023-S	Stainless steel washer small	3
800023-L	Stainless steel washer large	4
800025	Large silicone "easy-sterility" membrane	35
800031-03	Agitator and sparger pipe for 0.3 l vessel	62
800031-04	Agitator and sparger pipe for 0.4 l vessel	58
800031-1	Agitator and sparger pipe for 1 l vessel	61
800031-3	Agitator and sparger pipe for 3 l vessel	66
800031-7	Agitator and sparger pipe for 7 l vessel	69
800031-k	Key for agitator and sparger pipe (15 mm)	12
800039	Air distributor - self-cleaning microsparger (set)	88
800033-03	Stainless steel stirring disc for 0.3 l reactor	62
800033	Stainless steel stirring disc for 0.4, 1, 3 and 7 l reactors	62
800033-03-f	Biomimicking "fish-tail" soft stirring disc for 0.3 l reactor	85
800033-f	Biomimicking "fish-tail" soft stirring disc for 0.4, 1, 3 and 7 l reactor	65
800033-fs	Biomimicking "fish-tail" soft stirring disc for 0.4, 1, 3 and 7 l reactor, modified geometry and material for softer stirring	70
800033-bf	Biomimicking butterfly "fish-tail" soft stirring disc for 0.3 l reactor for min. volume configuration	95
800049-04	Stainless steel vessel supporting stand for 0.4 l reactor	150
800049-1	Stainless steel vessel supporting stand for 1 or 3 l reactor	220
800049-7	Stainless steel vessel supporting stand for 7 l reactor	280

Sampling

800051-03	Quadruple sampling port with fittings for 0.3 l vessel	180
800051-04	Quadruple sampling port with fittings for 0.4 l vessel	170
800051-1	Quadruple sampling port with fittings for 1 l vessel	180
800051-3	Quadruple sampling port with fittings for 3 l vessel	190
800051-7	Quadruple sampling port with fittings for 7 l vessel	210
800108	Device for sterile sampling (support, glass sampling device, syringe filter, 3 clamps and tubing)	120
800108-t	Silicone tubing set for sampling device	3

800114	Septum for sampling port	60
4815-4-knot	Silicone tubing 3/5 mm x ~5 cm with knot	1
Air output condenser and medium cooling		
800101	Glass condenser for air output	65
800083	Electronic Peltier air output condenser (no water connection required)	1'090
800087	Electronic Peltier cooling loop (no water connection required)	990
800088-04	Cooling loop for 0.4 l vessel	144
800088-1	Cooling loop for 1 l vessel	155
800088-3	Cooling loop for 3 l vessel	165
800088-7	Cooling loop for 7 l vessel	190
800089	Over-pressure (1 atm) security valve PEEK	45
Fermentor head		
800014	Electromagnetic vibromixer with cable and fittings	590
800014-e	High-performance vibromixer with cable and fittings	1'300
800027	Large central screw cap for head fixing	43
800030	Air input tubing holder (PEEK)	42
800030-c	Tubing connector (PP) for different tubing sizes	5
800028	Head	190
800052	Mobile cock	55
800052-e	Mobile cock for magnetic coupling	65
Probes		
800054-1	Combined pH and temp. probe 12 cm with Variopin connector (Mettler Toledo)	410
800054-2	Combined pH and temp. probe 15 cm with Variopin connector (Mettler Toledo)	449
800054-3	Combined pH and temp. probe 22 cm with Variopin connector (Mettler Toledo)	490
800090	pO ₂ probe (PEEK) fast response with reinforced membrane	644
800091	Membrane module for pO ₂ probe	90
800096	pO ₂ sensor cable	90
800097	pO ₂ probe solution	10
800095	Parameter X cable (0-10V)	35
800095-0-20	Parameter X cable (0-20mA)	39
800060	Combined redox, pH and temp. probe 12 cm with Variopin connector (Mettler Toledo)	545
800060-22	Combined redox, pH and temp. probe 22 cm with Variopin connector (Mettler Toledo)	590
800061	Redox measurement unit LAMBDA REDOX with RS-485 interface	1'100
Cell culturing		
8071	MASSFLOW 5000 programmable gas flow controller (0-5 l/min)	1'618
8072	MASSFLOW 500 programmable gas flow controller (0-500 ml/min)	1'838
Continuous cultures		
800800	Weighing module to keep the culture weight constant (connected to channel "X" of the MINIFOR)	589
Air supply		
8090	AeroSilento pressure-regulated air compressor and vacuum pump	2'300
8091	Peltier cooling trap for AeroSilento pressure-regulated air compressor	990
8091-b	Pressure-resistant glass bottle for Peltier cooling trap (1 l)	40
8091-p	Protection shield for glass bottle for Peltier cooling trap	60
8090-ps	Desktop power supply (12 V / 192 W) for AeroSilento pressure-regulated air compressor	99
800201-EU	Mains cable with EU plug	15
800201-US	Mains cable with US plug	20
800201-UK	Mains cable with UK plug	20
800201-AU	Mains cable with AU plug	20
Peristaltic pumps (with proportional speed control)		
4801	PRECIFLOW peristaltic pump, 0-600 ml/hr	1'198
4901	MULTIFLOW peristaltic pump, 0-600 ml/hr, programmable	1'498
5001	HIFLOW peristaltic pump, 0-3'000 ml/hr, programmable	1'798
6001	MAXIFLOW peristaltic pump, 0-10'000 ml/hr, programmable	1'998
6002	MEGAFLOW peristaltic pump, 0-60 l/hr, programmable	2'798
4803	PUMP-FLOW INTEGRATOR (for LAMBDA pumps, DOSER and MASSFLOW)	351

4810-F	Pump remote control (analog and digital) cable, 8 poles connector	35
6600	PNet control software for LAMBDA peristaltic and syringe pumps, DOSER and MASSFLOW	576
800202	Quadruple plug box (power and RS-connection for up to 4 LAMBDA laboratory instruments)	95
800011-line	Tubing line for fermenter (silicone tubing and male tubing adaptors)	69
Antifoam control system		
800501	ANTIFO foam detection system (no special probes required)	460
800502	DOZITO miniature syringe pump for 5 ml antifoam agent	620
800503	Syringe for antifoam agent (connection kit)	140
PC control software		
800601	FNet fermenter control software for PC control of up to 6 fermentors, 12 integrators and 6 pumps	1'600
800602	PC connection kit with RS-485 to RS-232 converter and USB connection	256
800603	SIAM industrial fermentation software	1'920
800604	Modern quality brand laptop with Windows operating system (preconfigured)	799
Gas concentration measurement		
8080	OXYMETER O ₂ concentration measurement (0-25%)	1'990
8081	CARBOMETER CO ₂ concentration measurement (0-100%)	1'990
8082	METHAMETER CH ₄ concentration measurement (0-100%)	2'498
Photobioreactor - light module		
800700	LAMBDA LUMO programmable light intensity controller	1'798
800701	LED stripe light source (warm white), 60 Watt	298
800700-ps	Desktop power supply (12 V / 100 W) for LAMBDA LUMO programmable light intensity controller	95
Spares kit		
Spares kit	Kit of spare parts (including pH electrode, pO ₂ membrane module, sterility membranes and fittings, filters)	998
Various spare parts		
800098-125	Reagent bottle 125 ml with pipes and Luer-Lock fitting	72
800098-250	Reagent bottle 250 ml with pipes and Luer-Lock fitting	75
800098-1000	Reagent bottle 1 l with pipes and Luer-Lock fitting	85
800098-2000	Reagent bottle 2 l with pipes and Luer-Lock fitting	95
800098-5000	Reagent bottle 5 l with pipes and Luer-Lock fitting	135
800098-S	Silicone stopper for reagent bottle	22
800098-C	Open screw cap for reagent bottle	5
800122	Stainless steel canula diam. 3mm x 50 mm with female Luer-Lock	11
800078	Magnetic bottle holder for 125 ml bottle	72
800079	Magnetic bottle holder for 250 ml bottle	78
800121	Stainless steel reagent bottle holder	30
800100-35	Silicone tubing 3/5 mm, 10 m	19
800100-36	Silicone tubing 3/6 mm, 5 m	14
800100-48	Silicone tubing 4/8 mm, 5 m	17
800100-610	Silicone tubing 6/10 mm, 5 m	19
800100-812	Silicone tubing 8/12 mm, 5 m	23
800099-L	Input or output filter for air, 50 mm, 0.2 µm pore size	14
800099-S	Input or output filter for air, 25 mm, 0.2 µm pore size	6
800107	Male tubing adaptor for LAMBDA double-seal (PEEK)	25
800102-a	Alarm connector	7
800102-g	Grounding cable	7
800102-b	Blind connector for O ₂ socket	10
800109	Stainless steel needle diam. 3 mm x 250 mm with female LAMBDA double-seal connection	40
800110	Stainless steel needle diam. 3 mm x 150 mm with female LAMBDA double-seal connection	35
800111	Stainless steel needle diam. 3 mm x 50 mm with female LAMBDA double-seal connection	30
800113	Stainless steel tubing clamp	10
800115	Stainless steel double-seal conical insert for tubing	8
800116	Tubular septum (12x)	15
800117	Septum protection cap	19
800118	Sealing disc for septum protection cap (5x)	8
800119-A	Solution A for liquid O-ring (40 ml)	15

800119-B	Solution B for liquid O-ring (40 ml)	15
800119-C	Aerosil 380 fume-like pure SiO ₂ for liquid O-ring (10 g)	15
800119-D	Silicone grease (2 ml)	7
800114-B	Septum adapter	25
800114-O	Silicone o-ring for septum adapter body	2
800120	Substrate holding basket (stainless steel)	90
800040	Fixing screw for self cleaning microsparger	12
800041	Air distributor replacement disc for self cleaning microsparger	40
800201-EU	Mains cable with EU plug	15
800201-US	Mains cable with US plug	20
800201-UK	Mains cable with UK plug	20
800201-AU	Mains cable with AU plug	20
800037-03	Adjustable reactor holder 0.3 l reactor (2 pieces)	160
800037-04	Adjustable reactor holder 0.4 l reactor	120
800037-1	Adjustable reactor holder 1 l reactor	120
800037-3	Adjustable reactor holder 3 l reactor	120
800037-7	Adjustable reactor holder 7 l reactor (2 pieces)	190
800037-k	Key for adjustable reactor holder	18
800037-f	Elastic silicone ring for attachment of the reactor vessel	3
800047	Support rod	25
800047-k	Key for support rod (10 mm)	10
800048	Adjustable stainless steel support plate for pump	95
4819-F	RS-485 connection cable	30
4819-FE	RS-485 line cable with extension plug for connection of an additional fermenter	39
4819-ES	RS-232 serial line extension cable (Converter - PC)	20
4819-0.1/0.3	Sensitivity damping cable (3 times or 10 times)	49
800510	Magnetic holder for DOZITO miniature syringe pump	50
800511	Syringe plunger pushing bar	20
800512	Glass syringe (5 ml)	45
800513	Syringe suspending string	9
800514	Syringe plunger blocker for autoclavation	49
800515	Stroke adjusting key	15
800516	Syringe-tubing fitting assembly (PEEK)	100
800517	PTFE tubing external diameter 1.8 mm (0.6 m)	3
800084-c	Peltier cooling element with control electronics and fan	490
800084-f	Fixing clamp for Peltier cooling element	8
800084-p	Heat-conductive paste for Peltier cooling devices (10 g)	10
800085	Peltier out-gas condensing finger	450
800086	Out-gas condenser cylinder for Peltier out-gas condenser with tubing connection	150
800108-s	Support for sterile sampling device	50
800108-g	Sterile sampling device (glass)	40
800108-sy	Plastic syringe (approx. 20 ml)	6
800112	Hexagonal key set (1.5, 2, 2.5, 4 mm)	18

Pictures of many accessories can be seen on our website:

<http://www.bioreactors.eu>

Fraction collector - sampler OMNICOLL

(EXW Baar or Brno, reference price in EUR, prices and specifications are subject to change)

Art. No.	Item	EUR
6901	OMNICOLL fraction collector/sampler, programmable	3'959
Accessories		
4801	PRECIFLOW peristaltic pump, 0-600 ml/hr	1'198
4901	MULTIFLOW peristaltic pump, 0-600 ml/hr, programmable	1'498
5001	HIFLOW peristaltic pump, 0-3'000 ml/hr, programmable	1'798
6001	MAXIFLOW peristaltic pump, 0-10'000 ml/hr, programmable	1'998
6002	MEGAFLOW peristaltic pump, 0-60 l/hr, programmable	2'798
6910	Remote control cable for fraction collector (analog)	30
6910-rs	RS-232 connection cable	30
6911	Communication module for pump switching and RS-232 connection	140
6912	Set for keeping two lower parts together	35
6913-1	Tube rack for 6x15 tubes of diam. 12 mm	29
6913-2	Tube rack for 5x12 tubes of diam. 16 mm	29
6913-3	Tube rack for 4x10 tubes of diam. 20 mm	29
6913-4	Tube rack for 4x10 tubes of diam. 25 mm	29
6913-5	Tube rack for 3x8 tubes of diam. 30 mm	29
6920	Accessory for "moving" front side simultaneous fractions (incl. 3 pipe guides)	250
6923	Accessory for "fixed" rear side multiple fractions (up to more than 18 fractions)	220
6930	Gear bar extensions (2 pieces)	215
6926	Drop-counter (detector)	180
6929	Communication module for pump switching, with RS-232, drop counting electronics, valve interface	240
6914	Pump remote control cable analog (2 poles, open ends)	25
4810-s	Remote control cable for LAMBDA pumps (5 poles)	30
6931	PEEK tubing connector for the connection of PTFE tubing and 3/5 mm silicone tubing	91
Spare parts		
6900	Fraction collector - control unit	3'198
6902	Support (lower part of collector)	573
6903-EU	Plug-in power supply (9 V), EU plug	63
6903-US	Plug-in power supply (9 V), US plug	63
6903-UK	Plug-in power supply (9 V), UK plug	63
6903-AU	Plug-in power supply (9 V), AU plug	63
6904	Fixing mat	10
6905	Adjustable support plate for pump	95
6906-S	Supporting rod for columns diam. 12 mm, 60 cm	19
6906-L	Supporting rod for columns diam. 12 mm, 100 cm	25
6907	Lateral supports for rod	101
6908	Tube guide	27
6909	Stop magnet	19
6916	PTFE tubing ext. diam. 1.8 mm (5 m)	15
6916-s	PTFE tubing ext. diam. 1.8 mm (1.5 m)	5
6917	Coding magnetic band for X-axis (5 pces)	13
6918	Coding magnetic band for Y-axis (5 pces)	13
6919	Support for coding magnetic band for X-axis	55
6921	Pipe guide for simultaneous fractions 1 pce	27
6922	Magnetic tubing guide	56
6924	Hexagonal key set	18
6925	O-ring for tubing fixing (5 pces)	6
6928	White pen for fraction position marking	4

Pictures of many accessories can be seen on our website:

<http://www.fractioncollector.info>

Powder dosing instrument DOSER & HI-DOSER

(EXW Baar or Brno, reference price in EUR, prices and specifications are subject to change)

Art. No.	Item	EUR
5812	DOSER powder doser, programmable (capacity approx. 0.2 l)	1'799
5812-L	DOSER powder doser, programmable (capacity approx. 1 l)	1'899
5812-3L	DOSER powder doser, programmable (capacity approx. 3 l)	2'099
5813-0.2L	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 0.2 l)	2'599
5813-1L	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 1 l)	2'699
5813	HI-DOSER powder doser for higher dosing speeds, programmable (capacity approx. 3 l)	2'899
Accessories		
4803	PUMP-FLOW INTEGRATOR (for LAMBDA pumps, DOSER and MASSFLOW)	351
4810-o	Pump remote control (analog and digital) cable, 8 poles (open ends)	35
4802	Pump ON/OFF remote control cable, 2 poles (open ends)	25
4823	Foot switch for ON/OFF switching	100
4823-b	Foot switch for ON/OFF switching (bistable switch)	140
4824	Cable for inverted analog ON/OFF control, 8 poles	40
5820-1	Stainless steel vessel supporting stand for 1 l DOSER	220
5820-3	Stainless steel vessel supporting stand for 3 l DOSER	220
Interface and Control software		
4822	RS-232 interface	99
4816	RS-485 interface	99
4817-kit	RS-485 connection kit (for connection to a serial port or USB port)	116
4817	RS-232/485 converter	52
4818-EU	Power supply for RS-232/485 converter (5 V / 1 W), EU-plug	15
4818-US	Power supply for RS-232/485 converter (5 V / 15 W), US-plug	15
4818-UK	Power supply for RS-232/485 converter (5 V / 15 W), UK-plug	15
4818-AU	Power supply for RS-232/485 converter (5 V / 15 W), AU-plug	15
4819-P	RS-485 connection cable	30
4819-232	RS-232 connection cable	30
4819-PE	RS-485 line cable with extension plug for connection of an additional instrument	39
4819-ES	RS-232 serial line extension cable (Converter - PC)	20
4819-USB	USB to RS-232 converter	19
6600	PNet control software for LAMBDA peristaltic and syringe pumps, DOSER and MASSFLOW	576
800202	Quadruple plug box (power and RS-connection for up to 4 LAMBDA laboratory instruments)	95
Spare parts		
4820-EU	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (EU-plug)	57
4820-US	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (US-plug)	57
4820-UK	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (UK-plug)	57
4820-AU	Plug-in power supply (12 V / 12 W) for PRECIFLOW, MULTIFLOW, DOSER (AU-plug)	57
4821-EU	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (EU-plug)	70
4821-US	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (US-plug)	70
4821-UK	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (UK-plug)	70
4821-AU	Plug-in power supply (12 V / 50 W) for HIFLOW, MAXIFLOW, VIT-FIT, MASSFLOW, HI-DOSER (AU-plug)	70
5801	Glass adaptor with ground NS 29/32 fitting	127
5802	Screw cap SVL 42	12
5803	Teflon disc	23
5804	Distributor (standard)	325
5804-r	Distributor (standard), reduced dosing speed of approx. factor 2	425
5804-vr	Distributor (standard), reduced dosing speed of approx. factor 15	445
5804-L	Distributor (standard) for 3 l vessel	389
5804-L-r	Distributor (standard) for 3 l vessel, reduced dosing speed of approx. factor 2	489
5804-L-vr	Distributor (standard) for 3 l vessel, reduced dosing speed of approx. factor 15	509
5805	Distributor for very fluid powders	375
5805-r	Distributor for very fluid powders, reduced dosing speed	475
5805-L	Distributor for very fluid powders for 3 l vessel	439
5806	Silicone seal	17
5807	Centering part	292
5808-b	Blind plug	6
5808-g	Gassing plug	10
5809	Control unit	790
5809-L	Control unit HI-DOSER	1'290
5810	Glass vessel with side arm (approx. 0.2 l)	198
5811	Glass vessel with side arm (approx. 1 l)	298
5811-L	Glass vessel with side arm (approx. 3 l)	448
5810-s	Silicone coated glass vessel with side arm (approx. 0.2 l)	318
5811-s	Silicone coated glass vessel with side arm (approx. 1 l)	448
5811-L-s	Silicone coated glass vessel with side arm (approx. 3 l)	628

Pictures of many accessories can be seen on our website:

<http://www.powderdosing.info>