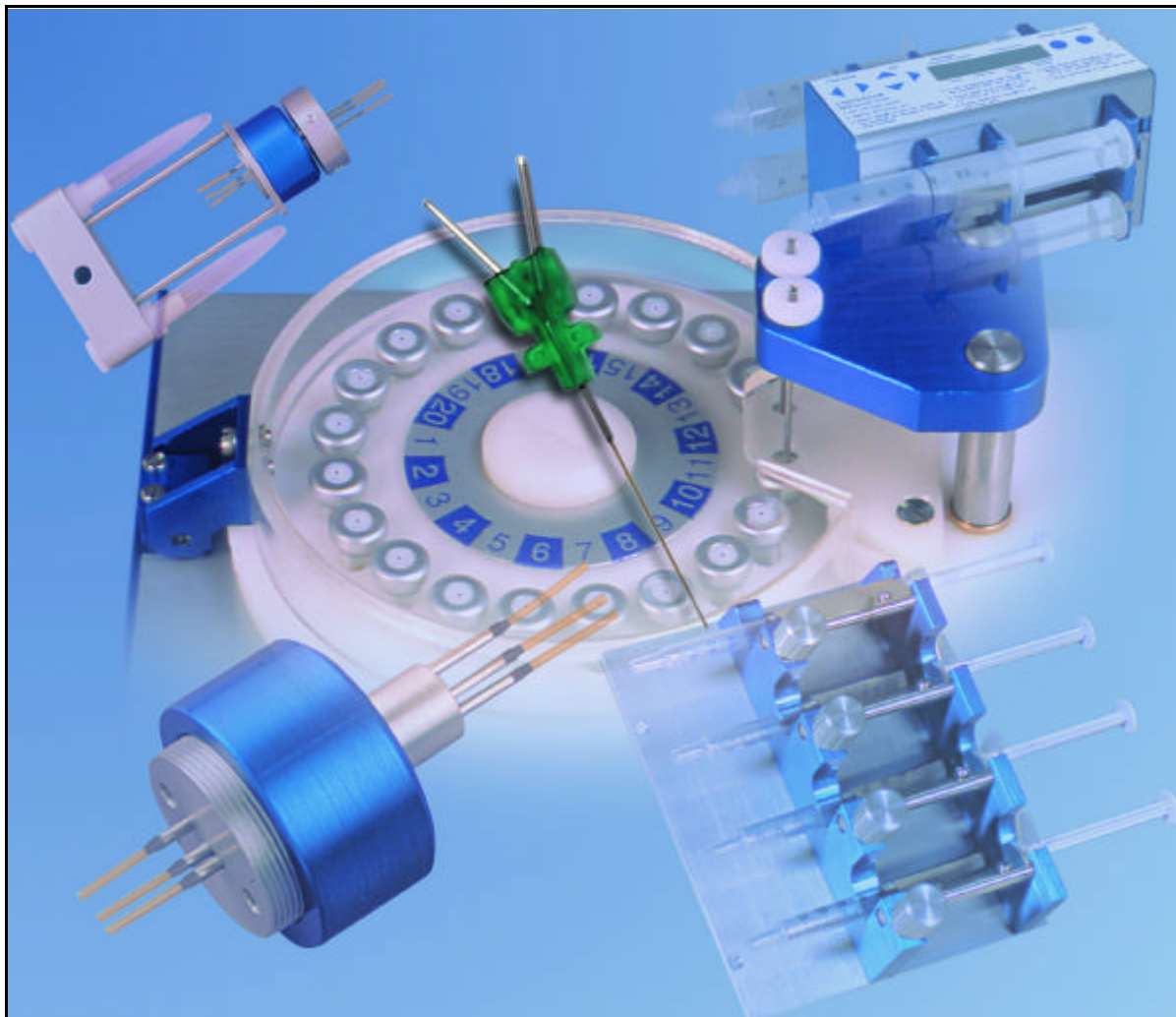


Products for Microdialysis



**A unique composition of high quality elements for
all applications of microdialysis**



Single Syringe Pump 801

- For 1.0, 2.5 or 5.0 ml syringes
- Flow rates from 0.1 µl/min to 99.9 µl/min
- Precalibrated
- The "flush" fills the system at maximum speed

Cat.No.	Description
UV-8301300	Pump 801



Dual Syringe Pump 802

- Operates 2 syringes simultaneously
- Stroke: 40 - 90 mm OD: 6 - 32 mm
- Flow rates from 0.01 µl/min up to 50 ml/min
- Preset volume
- Options: Withdrawal adaptor, foot pedal and PC-control

Cat.No.	Description
UV-8301501	Pump 802
UV-8301802	Operational software
UV-2401090	RS-232 cable - 15 to 25 pol.
UV-2401091	RS-232 cable - 15 to 9 pol.
UV-8401420	Foot pedal
UV-8401205	Withdrawal adaptor



Multi Syringe Pump 864

- Operates 4 (up to 50 ml) , 6 (up to 10 ml) or 8 (up to 2.5 ml) syringes
- Flow rates from 0.001 µl/min up to 5 ml/min
- Preset volume and limit control
- Continuous display of the volume delivered
- A built-in computer performs self-calibration
- Stores the last setting
- Options: Withdrawal adaptor, foot pedal and PC-control

Cat.No.	Description
UV-8301001	Pump 864 & holders 2x2
UV-8301002	Pump 864 & holders 2x3
UV-8301003	Pump 864 & holders 2x4
UV-2401075	Holders 2x2
UV-2401076	Holders 2x3
UV-2401077	Holders 2x4
UV-8301864	Operational software
UV-2401090	RS-232 cable - 15 to 25 pol.
UV-2401091	RS-232 cable - 15 to 9 pol.
UV-8401420	Foot pedal
UV-8401205	Withdrawal adaptor



Withdrawal Adaptor



Microsampler 820

Microsampler 810 (not shown)

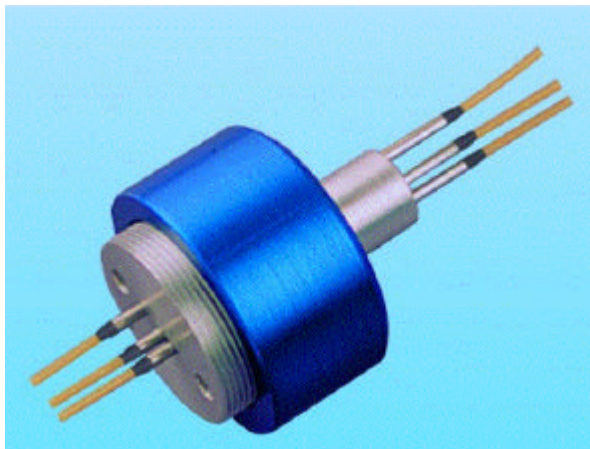
- Collects liquid samples as small as 1 µl
- Collects 10 samples from one source
- Operates with plastic vials of 1.5 ml volume
- Refrigeration (4 - 10°C, please specify when order)
- An external TTL signal may be used for control

Cat.No.	Description
UV-8303001-X	Sampler 810 and vials X: Please choose the temperature for refrigeration (4, 5, 6, 7, 8, 9 or 10°C)
UV-7403005	Tubing kit for microsampler

Microsampler 820

- All basic features of model 810 are included
- Collects from 1 (20 samples) or 2 sources (10samples)
- Operates with plastic or glass vials of 300 µl volume

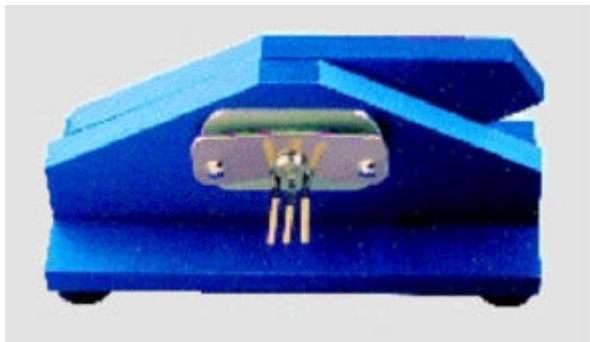
Cat.No.	Description
UV-8303002-X	Sampler 820 and vials X: Please choose the temperature for refrigeration (4, 5, 6, 7, 8, 9 or 10°C)
UV-7403005	Tubing kit for microsampler



Swivels

- 2 Channel teflon swivel: inert, low torque, disposable
- 3 Channel swivel: ceramic inside, inert, ultra low torque, available with collecting attachment (2 vials of 300 µl)

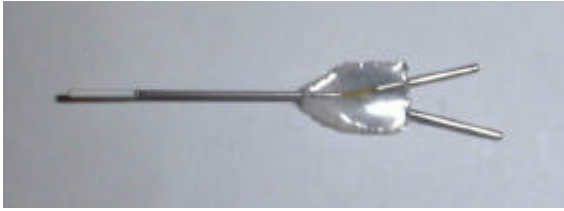
Cat.No.	Description
MAB 4001020	2 Channel teflon swivel, disposable
UV-8401450	3 Channel swivel
UV-8401452	3 Channel swivel & collecting attachm.
UV-8401451	Collecting attachment
UV-7401450	Tubing kit for 3 channel swivel



Liquid Switch

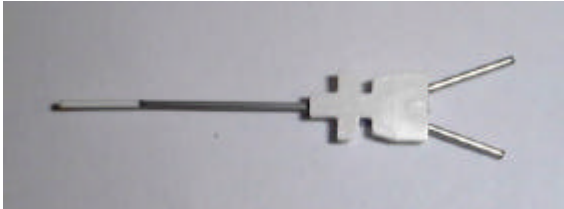
- Switches between 2 sources and 1 output
- Zero dead volume
- Inert
- Ceramic inside
- No air enters the system

Cat.No.	Description
UV-8401405	Liquid switch
UV-7401405	Tubing kit for liquid switch



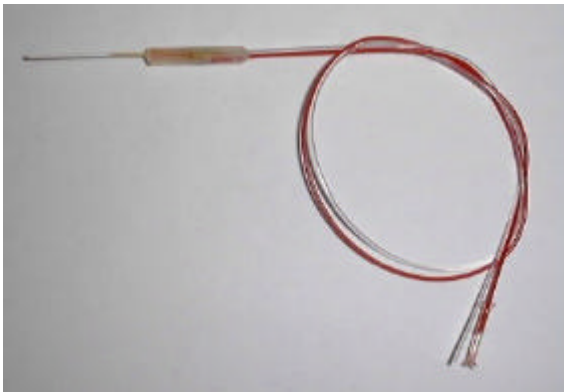
Microdialysis Probes MAB1

- Shaft length: 14 mm stainless steel
- Length of the PES membrane: 1,2,3 or 4 mm
- OD of the membrane: 0.6 mm Cut-off: 35 kDalton



Microdialysis Probes MAB2

- Shaft length: 14/20 mm stainless steel
- Length of the PES membrane: 1, 2, 3 or 4 mm
- OD of the membrane: 0.6 mm Cut-off: 35 kDalton
- Reusable guide cannulas available
- Autoclavable



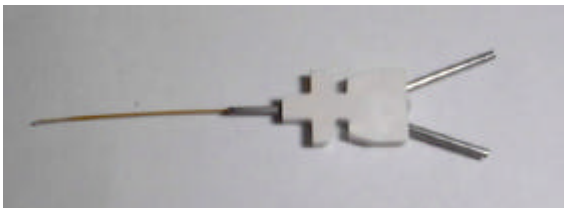
Microdialysis Probes MAB3/7- Flexible

- Inlet and outlet tubing 20 cm
- Shaft length: 8, 35 or 80 mm
- Length of the PES membrane: 4 mm (for shaft 35) or 10 mm (for shaft 8 and 80)
- Cut-off: 35 (MAB3) or 15 (MAB7) kDalton
- OD of the membrane: 0.6 mm
- Introducers available



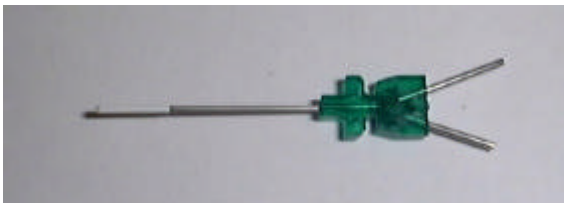
Microdialysis Probes MAB4CU for small animals

- Shaft length: 15 mm
- Length of the cuprophane membrane: 1, 2, 3 or 4 mm
- OD of the membrane: 0.24 mm Cut-off: 6 kDalton
- Reusable guide cannulas available



Microdialysis Probes MAB4/5 for small animals

- Shaft length: 15 mm
- Length of cellulose acetate membrane: 1, 2, 3 or 4 mm
- OD of the membrane: 0.2 mm
- Cut-off: 6 (MAB4) 100 (MAB5) kDalton
- Reusable guide cannulas available



Microdialysis Probes MAB6

- Shaft length: 14 or 20 mm
- Length of the PES membrane: 1, 2, 3 or 4 mm
- OD of the membrane: 0.6 mm Cut-off: 15 kDalton
- Reusable guide cannulas available

Ordering Information for Probes (Introducers see Accessories):

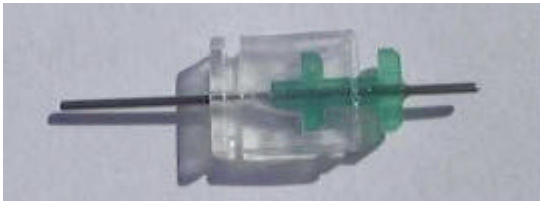
Probes (1 Pkg = 3 pcs): Please specify type, shaft length, membrane length. If desired, add an "S" for presterilization (offered for probe types MAB2, 3, 6 and 7; example MAB7.8.10.S). For probe type MAB4CU add "CU" (example: MAB4.15.2.CU). For custom defined probes please choose the type of the probe and specify shaft and membrane length (example: MAB2.16.6).



Guide Cannula MAB2.-.G series (shown with dummy)



Guide Cannula MAB6.-.G series (shown with dummy)



Intracerebral Guide Cannula MAB4.-.IC series (shown with dummy)



Standard Guide Cannulas

- Guide cannulas help to introduce the probe and help to find the same area in following experiments.
- Offered for Probes MAB2/4/5/6.
- Reusable.

Ordering information: Please specify the type of your probe, its shaft length and add "G" (example: MAB2.14.G). For custom defined guide cannulas within the MAB2 series please specify the shaft length (example: MAB2.10.G). 1Pkg=1pc.

Single Use Intracerebral Guide Cannulas

- A smaller head and a greater insertion depth allow experiments with probes placed close together.
- Offered for Probes MAB2/4/6.

Ordering information: Please specify the type of your probe, its shaft length and add "IC" (example: MAB2.14.IC). For custom defined intracerebral guide cannulas within the MAB2/4/6 series please specify the shaft length (example: MAB2.10.IC). 1Pkg=10pcs.

Awake Animal Systems

- Consisting of a swivel, a tether, a cage adapter and a counterbalance arm.
- Our standard counterbalance arm is made of light weight aluminium, suitable for mice and rats and fits our 3 channel swivel UV -8401450/2 or others.

Cat.No.	Description
MAB 31	Awake animal system for one probe
MAB 32	Awake animal system for two probes
MAB 33	Awake mouse system, low torque, for one probe
UV -8401450/CBA	Standard counterbalance arm
MAB 4001022	Steel wire (tether)
MAB 4001025	Cage adapter (1 Pkg=1pc)
MAB 4001027	MAB33 steel wire (tether)
MAB 4001021	Plastic collar for rats (1 Pkg=100 pcs)
MAB 4001024	MAB32 reservoirs with filters (Pkg=10 pcs)
MAB 4001023	MAB32 tubing kit (Pkg=1 pair)



In Vitro Stand (shown with probe clip and probe)

In Vitro Stand, Probe Clip and Steel Rod

- The invitro stand is designed to hold the probe/guide between experiments e.g. for hanging it into a vial filled with liquid.
- The probe clip allows easiest handling during the fixing (cementing) of the guide cannula and fits in the white plastic part of the invitro stand.
- The steel rod (not shown) is fixed to the probe clip and is used as an adaptor to the stereotaxic equipment.

Cat.No.	Description
MAB 8001000	Invitro stand with probe clip
MAB 1005001	Probe/guide clip
MAB 8001001	Stainless steel rod



Tubing(-Kits) and Adaptors

Cat.No.	Description
MAB 4001004	FEP tubing ID 0.12 mm 1x1m (1.2 µl/10 cm)
MAB 4001005	FEP tubing ID 0.12 mm 10x1m (1.2 µl/10 cm)
MAB 4001006	FEP tubing ID 0.15 mm (specify length)
MAB 4001007	Santopren tubing Kit, ID 0.120 mm for MAB20/2 (Pkg=2 pcs)
MAB 4001008	Santopren tubing kit, ID 0.120 mm for MAB20/4 (Pkg=4 pcs)
MAB 4001010	Santopren tubing kit, ID 0.120 mm for MAB20/6 (Pkg=6 pcs)
MAB 4001002	Santopren tubing kit, ID 0.254 mm for MAB20/2 (Pkg=2 pcs)
MAB 4001009	Santopren tubing kit, ID 0.254 mm for MAB20/4 (Pkg=4 pcs)
MAB 4001011	Santopren tubing kit, ID 0.254 mm for MAB20/6 (Pkg=6 pcs)
MAB 4001023	MAB32 tubing kit (Pkg=1 pair of tubing)
UV-7403005	Tubing kit for microsamplers 810 and 820
UV-7401450	Tubing kit for 3 channel swivel
UV-7401405	Tubing kit for liquid switch
MAB 4001003	Tubing adaptors (Pkg=10 pcs)

Ordering Information for Additional Components and Accessories

Cat.No.	Description
MAB 10	MAB10 microdialysis pump, single channel, specify 110 V or 220 Volt (Pkg=1pc)
MAB 20/2	MAB20/2 microdialysis pump, two channels, specify 110 V or 220 Volt (Pkg=1pc)
MAB 20/4	MAB20/4 microdialysis pump, 4 channels, specify 110 V or 220 Volt (Pkg=1pc)
MAB 20/6	MAB20/6 microdialysis pump, 6 channels, specify 110 V or 220 Volt
MAB 40	Microdialysis pump (syringe pump) with optional battery use
MAB 4003000	Reservoir tubes for MAB10 (Pkg=100 pcs)
MAB 4003001	Sample tubes with caps, 250 µl, for MAB10 (Pkg=100 pcs)
MAB 4003002	Sample tube connectors for MAB4003001 (Pkg=3 pcs)
MAB 4003003	Reservoir filters for MAB4003000 (Pkg=10 pcs)

Cat. No.	Description
MAB 4001028	Syringe kit for MAB40, sterile syringes and tips (Pkg=10 pcs)
MAB 4001029	Sample vials, polystyrene, 300 µl (Pkg=1000 pcs)
MAB 4001030	Caps re-sealing, for MAB400129 (Pkg=1000 pcs)
MAB 4001031	Sample vials MAB4001029 with caps MAB40011030 inserted (Pkg=1000 pcs)
MAB 3.80.SC	Splittable steel cannula for MAB3.80.10 and MAB7.80.10 (Pkg=10 pcs)
MAB 3.8.I	Introducer for MAB3.8.10 and MAB7.8.10 (Pkg=10 pcs)
MAB 3.35.I	Introducer for MAB3.35.4 and MAB7.35.4 (Pkg=10 pcs)
MAB 4002002	Anchor screws (for a better fixing of guide cannulas to the skull) L=2 mm (Pkg=100 pcs)
MAB 4002003	Anchor screws L=3 mm (Pkg=100 pcs)
MAB 4002004	Anchor screws L=4 mm (Pkg=100 pcs)

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