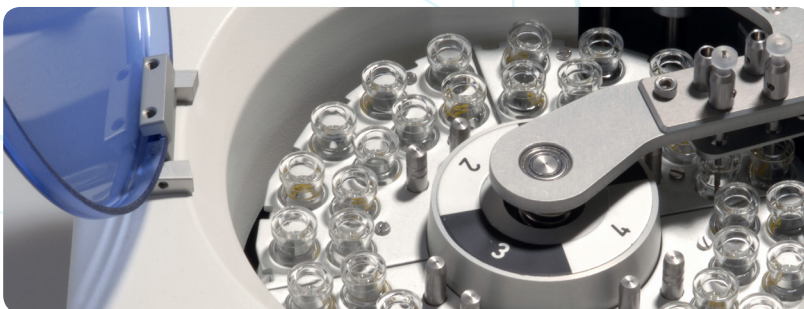


- Fractions cooled down to +6 °C
- Fractions from 1-1200  $\mu$ L
- Holds up to 64 sealed vials
- Optional collection into four vials simultaneously

## CMA 470 Refrigerated Fraction Collector

The CMA 470 Refrigerated Fraction Collector is specifically designed to collect microliter volume fractions typical of microdialysates. It has thermoelectric cooling down to +6 °C and the fractions can be collected in sealed vials. Both of these are important considerations for the prevention of evaporation and chemical degradation. It is possible to collect fractions as small as 1  $\mu$ L at the bottom of each vial. The capacity of the collector is 64 vials of 300  $\mu$ L each or 40 vials of 2 mL each. Equipped with a quadruple assembly the CMA 470 can collect fractions from up to four probes simultaneously. There is also an option to collect samples in open vials.

The collection takes place in a temperature controlled magazine where the vial cassettes rotate. The cannulas are in fixed vertical position to not influence the flow. Although it is not necessary to connect the system to a computer for normal operation, the CMA 470 Refrigerated Fraction Collector is equipped with a RS232 and a USB port to communicate with other instruments or for computer-control the system in advanced operations.





## Technical information

Collection:	1 $\mu$ L- 1.2 mL
Number of vials:	64 x 300 $\mu$ L, 40 x 2 mL
Septa:	Non reclosing
Cooling:	Down to +6 °C in steps of 1 °C
Temperature accuracy:	$\pm$ 1.5 %
Cooling capacity:	-15 °C from environmental temperature or better
Collection mode:	Time, minutes and seconds
Environment temperature:	10 – 32 °C
Display:	LCD 4 x 20 characters, back lighted
Memory:	Non-volatile. Stores all settings
External connections:	General purpose digital Input/Output
Computer connection:	RS 232 serial interface and USB
Voltage:	100 – 240 VAC, 50 – 60 Hz
Power consumption:	External adaptor max 55 W
Dimensions:	222 x 279 x 142 (167) mm (W x D x H)
Weight:	Approx. 3.8 kg

**Intended use:** Designed for research and industrial applications, the CMA 470 Refrigerated Fraction Collector is not approved for clinical use.

## Ordering information

	Ref.No
CMA 470 Refrigerated Fraction Collector	CMA8002770
including:	
4 Cassettes for Small Vials	
Holder for Single Cannula	
Holder for Dual Cannulae	
Holder for Quadruple Cannulae	
4 Cannulae for Tubing	
4 Cannulae for Septa	

## Accessories

	Ref.No.
Vials, Plastic 300 $\mu$ L (1000/pkg)	CMA7431100
Caps Plastic re-sealing 1000/pkg*	CMA7431102
Vials, Glass 300 $\mu$ L (500/pkg)	CMA7431007
Caps/Seals Non-Reclosing, Small, 1000/pkg*	CMA7432175
Crimper, Small	CMA7432017
Cassette, Small Vials, Plastic	CMA8320010
Cassette, Large Vials, Aluminum	CMA8320008
Cannula for Tubing	CMA8002999
Cannula for Septa	CMA003000

\* Not for use in the Fraction Collector

### CMA Microdialysis AB (Sweden Office)

Torshamnsgatan 30A, SE-164 40 Kista, Sweden **Tel:** +46 8 470 10 10 **Email:** cma@microdialysis.se **Web:** www.microdialysis.com

### Harvard Apparatus (US Office)

84 October Hill Road, Holliston, Massachusetts 01746, United States **Tel:** 800-547-6766 **Email:** support@hbiosci.com **Web:** www.harvardapparatus.com