

**Multiplelabs**  
Turnkey Laboratories Solutions

# FC-9100

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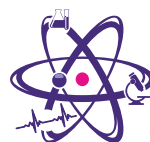
## Fraction Collectors



## Product Specification

### ►► Features:

- The only fraction collector that can easily be programmed for any rack or recipients of your choice.
- All electronic and mechanical components have been miniaturized and placed in one moving part, which is placed above the fractions. Therefore, there is no danger of spilling.
- The lower part of the fraction collector can be placed into a cold bath, ice bath or any other thermostabilizer container.
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- Modern microprocessor controlled system using several optical sensors allows for easy programming of the tube positions just with a simple pen.
- Fraction collection according to time or volume.
- Fraction collection in lines or meander like (zigzag).
- A pause (0.1-999.9 min or 1-9999 min) can be programmed between fractions. Thus, the OMNICOLL fraction collector can be used for taking (single or multiple) samples, e.g. during fermentation processes, cell cultures and other biological or chemical processes.
- The pause function can be used also for an automatic start up of the fraction collection. Washing of the tubing (line washing) between samples is possible the number of fractions in a series can be chosen.
- Auto-stop function switches off the collector and the fractionation after a selected rack or at the end of the line.
- Pump flow stop function avoids spilling between two consecutive fractions.
- Only the liquid transferring tubing is moved instead of the tubes, this requires much less energy and allows the collector to be miniaturized. Additionally, the tubes are easily accessible from all sides.
- The lower part of the collector can be used for carrying or storage of fractions. A new plastic fixing mat keeps the racks or recipients in position
- Several lower parts can be combined to increase the fraction collecting capacity of the collector.
- Highest user safety has been attained by supplying OMNICOLL with a low voltage plug-in power supply. This allows also an easy field application of the fraction collector (battery operation possible).
- Solid metal construction makes the OMNICOLL fraction collector insensitive to solvents.
- Can be easily disassembled and requires only little storage space.
- Low-maintenance construction
- Competitive price.
- Remote control allows sampling after reception of an external signal (such as an alarm). In this way, it is possible to obtain important samples during long processes running even during absence of a supervisor.
- Drop counter, inert valve, RS-232 interface and other accessories are available as an option.
- Material of construction: polypropylene and polycarbonate for case, carousel, front panel, silicone rubber for drop former; polyurethane tube for waste outlet tube.



## ►► Technical Specifications

Fractionation:	Time 0.1-999.9 min in 0.1 min steps or 1-9999 min in 1 min steps Volume 0.05-500 ml or 0.1-30 l Drop counter (1-9999 or 60-599'940) (option) Through external signal or RS-232 interface (option) With or without a pause from 0.1-999.9 min or 1-9999 min
Tube capacity:	According to your choice (available surface of 45 × 31 cm) e.g. using Nalgene economy racks: 300 tubes × 13 mm diameter 204 tubes × 16 mm diameter 130 tubes × 20 mm diameter 80 tubes × 30 mm diameter  Tube capacity can be increased several times (by adding several lower parts together)
Power supply:	9 VDC/12 W, using plug-in power supply (100-240 V, 50-60 Hz)
Safety:	Meets CE and IEC 1010/1 norms for laboratory instruments
Operating Temperature:	0 to 40 °C
Weight:	6.5 Kg
Dimensions:	34x30x49 cm (W x H x D)
Guarantee:	2 years

## ►► Features:

- Flexible approach to manual and automated fraction collection
- Unique menu-operational processes. Press "Concise Flow Chart" on the panel and that is able to operate easily and conveniently;
- Rectangular design and Hanging-type X-Y moves for accuracy of tube change; Secure use with circuit separation when liquid collecting;
- Corrosion-resistant design -- application to column chromatography separation experiments for watersoluble solvent or organic solvents;
- Programmable control -- microprocessor-controlled and the user can design its own collection procedures according to chromatography by the operation panel;  
Max. Flow rate: 300 ml/min
- Collecting with different capacities and waste tank -- Free combination of different tube racks available for SP-16A, SP-36A, SP-100A, SP-169A; achieve a multi-purpose machine functions and matching (SP-36L) can be repeated unlimited consecutive collection to the efficiency of preparation; waste flow into the tank automatically through threeway valve and control procedures;
- Peak collecting with spectra show - the collection information showed on the screen to make the peak collection easily and convenient to the spectrum processing and quantitative analysis;
- Collection time delay set available -- can be set to delay collection time. Programmatically set the delay time to ensure that the sample accurately into the right tube;

- Tube instead with solenoid valve control -- Through the solenoid valve control to prevent liquid leakage.
- System using several optical rack sensors allows for easy programming of the tube positions just with a simple pen.
- Diverter valve to manage the collection of purified peak fractions into test tubes, microtiter Plates, eppendorf tubes, scintillation vials, bottles or flasks.

## ►► Technical Specifications

Display:	Blue LCD display in English
Tubes:	120 (each max capacity: 12ml and 20ml with a waste tank)
Timing range:	1 s-999 h 59 m 59 s (arbitrary)
Drop range:	1 drop - 9999 drop (arbitrary)
Pack range:	1-200mv (arbitrary)
Programmable range:	1-10sect (arbitrary)
Moves:	Hanging X-Y Tube instead with 12V DC solenoid valve
Operation:	English menu - style
Temperature:	4-35 °C
Procedures available:	1-10 modes
Data retention with power outages:	Ten years
Tube rack:	rectangular design with a waste tank; free combination; optional (SP169A, 36A,16A are optional and scalable available for 36L)
Power Supply:	AC220V± 10%; 50Hz; 10w
Use of the environment:	Temperature 0-40 °C; Humidity < 85%
Weight:	10Kg
Dimensions:	355x360x270mm
Collection methods:	Time, Signal