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Find the *Gilson FC-203B* at our website: ***Click HERE***

# FC 203B and FC 204
## Fraction Collectors

Collect Fractions by Time, Drop, or Peak to Suit Virtually any LC Application



*FC 204*



*FC 203B*

- In peak mode, collectors monitor a detector signal and identify peaks using either an adaptive-slope algorithm or a specified millivolt cutoff
- Up to ten programmable time windows can be added for collecting only what you want while discarding the column's void volumes, peaks of no interest, and equilibration volumes
- Operates as a stand-alone instrument with an easy-to-use keypad, or can be controlled through your PC via Gilson's UniPoint™ System Software
- Choose the capacity and volume to meet your needs—the FC 204 for large volumes and capacity, and the compact FC 203B for small capacity collection
- Wide variety of collection vessel options, including microplates, microvials, test tubes, and temperature-controlled racks
- Gilson's 3-way diverter valve, for preventing spillage when effluent is diverted to waste and for simplifying the collection of pure peaks, is standard on the FC 204, optional on the FC 203B
- Contact closure inputs are available to remotely start, advance, or stop the collectors
- Cold room-compatible for added laboratory flexibility

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# FC 203 and FC 204 *Technical Specifications*

| | |
|---|---|
| **Manufacturing Standards** | Safety certification: EMC/EMI certification:<br>UL 1262 EN 50082-1<br>CSA C22.2-No. 151 EN 55011<br>EC 1010-1 FCC Part 15 Class A |
| **Power Requirements** | Frequency: 50 - 60 Hz |
| | Voltage: 100/120 V or 220/240 V; mains voltage fluctuations not to exceed ± 10% of the nominal voltage |
| | Current rating: 0.5 A for 100/120 or 0.25 A for 220/240 V |
| **Software Control** | Via Gilson Serial Input/Output Channel (GSIOC) or by contact closure |
| **Collection Modes** | Manual, Time, Peak and Time, Peak and Time with Time Windows |
| **Time-Based Programming** | Up to 10 collection windows and 10 drain steps in any mode |
| **Multi-Cycle Operation** | Repetitive collection of same sample, or multiple, automatic collection of different samples |
| **Time Units** | From 0.01 to 99.99 minutes per tube, with 0.01 minute limit of resolution |
| **Drop Counting** | Up to 9999 drops per fraction. Maximum rate: 20 drops per second |
| **3-way Valve** | 3-port, PTFE, 60 µl dead volume, up to 200 ml/minute |
| **Display** | 2 lines of 24 alphanumeric characters; backlit LCD |
| **I/O Contact Closure** | I/O Contact Closure Inputs for start/advance and end. Event mark output.<br>One programmable output for control of peripherals |
| **Keypad Location** | Integral |
| **Method Storage** | Saves most recent set of parameters |
| **Peak Collection** | Adaptive-slope algorithm accommodates drifting baselines, negative and asymmetrical peaks applying user-set peak parameters. |
| | Absolute threshold level that collects all peaks above a user-specified mV level |
| **Operating Temperature** | 0 - 40° C |
| **Detector Input** | 100 ms pulse |
| **Event Mark** | ± 10 or 100 mV full scale |
| **Dimensions (w x d x h)** | FC 203B: 32.4 x 29.2 x 26.7 cm (12.8 x 11.5 x 10.5 in) |
| | FC 204: 47.9 x 46.4 x 33.0 cm (18.9 x 18.3 x 13.0 in) |
| **Weight** | FC 203B: 5 kg (11 lbs) |
| | FC 204: 11 kg (24 lbs) |

ISO 9001 Certified

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