

Specifications for Fraction Collector

- 1) Stand alone fraction collector should be suitable for analytical and preparative chromatography applications
- 2) Should be easy to program and capable of basic or complex fraction collection schemes at flow rates ≤ 100 ml / min
- 3) Collection in time or drop mode or volume mode
- 4) Collection of peaks by peak detection, time windows (up to 20), or a combination of both
- 5) Time: 0.01 – 99,999 min
- 6) Drop: 1-99, 999 drops, flow rate ≤ 5.0 ml/min
- 7) Peak Detection; threshold including slope detection algorithm for collection of double peaks above a set threshold
- 8) Should have Drop arm movement in an x, y motion over each collection vessel; column, row, or serpentine pattern option available for microplates
- 9) Dispenser arm should be manually adjustable to tube height ≤ 150 mm
- 10) Should have option for Numerous off-the-shelf racks to accommodate tubes (12–20 mm diameter), Eppendorf or other microtubes (0.5, 1.5, or 2.0 ml), or scintillation vials
- 11) Should have option for overlay of fractions
- 12) Should be supplied with rack (2 nos) that can hold 90 tubes each (12-13mm diameter, 150mm height)
- 13) System should be supplied with rack (2nos) that can hold 60 tubes each (15-16mm diameter, 150mm height)
- 14) Should be supplied with all accessories required for functioning of the system
- 15) System should meet safety certifications: IEC 61010 and CSA 22.2