

AFC-3000 Automated Fraction Collector



UHPLC⁺
focused

Dionex products are UHPLC compatible by design, establishing the new standard in conventional LC. Integrating hardware, software and separation chemistry, Dionex offers UHPLC to everyone—for all needs.

The AFC-3000 Automated Fraction Collector is a rugged and flexible fraction collector, ideal for preparative reversed-phase or normal-phase HPLC as well as purification of proteins, peptides, and nucleotides. The AFC-3000 meets the small peak volume requirements of UHPLC applications and manages analytical and semipreparative to preparative flow rates. It collects fractions into an industry-leading variety of vessels, such as 96 well plates, standard vial and tube sizes, and bottles. A funnel rack directs virtually unlimited volumes into any bottle or reactor.

Features

- Rugged and easy-to-use design
- Very fast tube changes for ultrafast purification
- Flow rates up to 150 mL/min
- Optional kit for small-peak-volume compatibility and improved performance at low flow rates
- Smallest possible carryover through minimized delay volume between valve and drop former
- Large variety of collection vessels
- Large capacity: holds up to 180 tubes or 4 × 96 well plates
- Resistant against a broad range of solvents, buffers, acids, and bases
- Optional grounded drop former for safe operation with normal phase eluents
- Ideally suited for working with sophisticated Chromeleon[®] software fraction collection features



Passion. Power. Productivity.

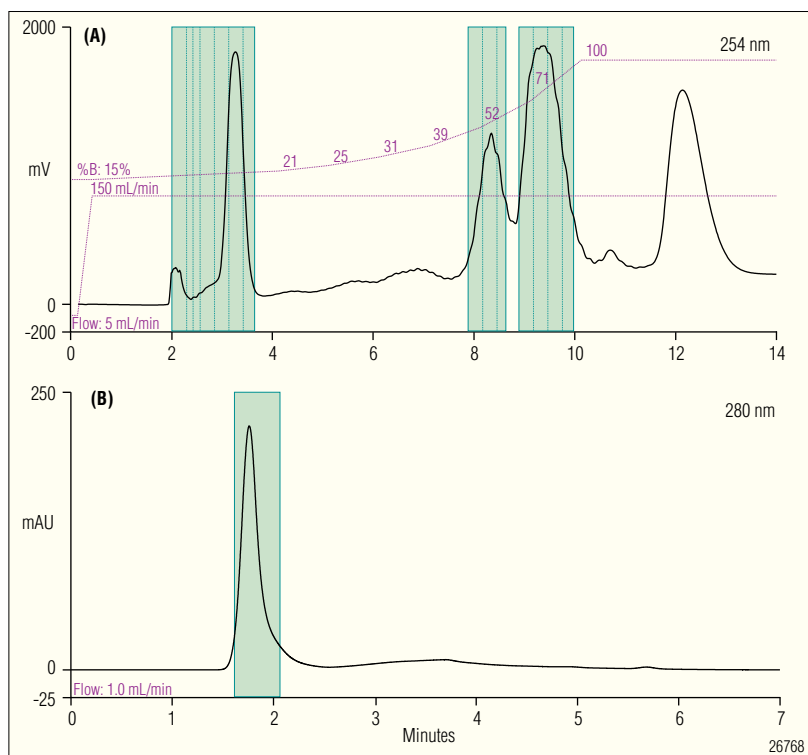


Figure 1. The combination of the AFC-3000 and sophisticated Chromeleon software fraction collection algorithms provides a dependable solution for a wide variety of applications. (A) Purification of synthesis products in the gram-scale at preparative flow rates. (B) MAb purification at analytical flow rates.

AFC-3000 SPECIFICATIONS	
Maximum Flow Rate:	150 mL/min
Carryover volume:	15 µL (standard), 1.3 µL (with optional low-flow kit)
Tube Change Time	Typically 0.2–0.4 s, depending on collection mode and rack type
Wetted Parts:	Tefzel®, Simriz®, PFA, and PEEK™ (with standard and low-flow drop former) or stainless steel (with grounded normal phase drop former)
Dimensions (h × w × d):	43 × 34 × 46 cm (16.5 × 13.4 × 18.1 in.)
Weight:	8.0 kg (17.7 lbs)
System Control:	RS-232 or USB, requires Chromeleon Chromatography Data System

ORDERING INFORMATION

To order, use the following part numbers and contact your local Dionex office or distributor nearest you. In the U.S., call (800) 346-6390. In other regions, refer to the phone numbers below.

Description

AFC-3000 Automated Fraction Collector, including two racks (6702.0090) for 90 × 8 mL tubes 5702.1000

Accessories

Kit for low flow rates, PEEK drop former	6702.0300
Kit for normal phase LC, SST drop former	6702.0400
Rack, 21 positions, 50 mL tubes	6702.0021
Rack, 24 positions, 30 mL tubes	6702.0024
Rack, 40 positions, 20 mL tubes	6702.0040
Rack, 60 positions, 14 mL tubes	6702.0060
Rack, 90 positions, 8 mL tubes	6702.0090
Adapter for 4 × 96 well plates.....	6702.0200
Adapter for 4 × WPS-3000 sample trays	6702.0100
Sample tray for 40 vials, 2 mL, WPS-3000	6820.4070
Sample tray for 22 vials, 4 mL, WPS-3000	6820.4084
Sample tray for 10 vials, 10 mL, WPS-3000	6820.4086
Funnel rack, 21 positions	6702.1021
Bottle, 0.25 L.....	2270.0026

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