

Automate *your* Organic Purification



COMPACT FLASH PURIFICATION SYSTEM

SEPARATION SCIENCE

Low pressure LC
instruments

Automated Organic
Purification







LC Bioseparation
Systems/Columns

Syringe Pumps

Supercritical
Fluid Extraction &
Chromatography

CombiFlash[®] RETRIEVE system gives you high-productivity automation for operation in chemical hoods and with very limited available space. The system uses RediSep[™] Flash columns for either normal or reverse phase separations. Applications include purification of organic compounds for drug discovery, as well as research in agrochemicals, petrochemicals, natural products, polymers, and catalysts.

RETRIEVE features:

-  Automates volume-based fraction collection.
-  Uses Isco RediSep[™] disposable Flash columns.
-  Highly compact and portable for efficient use of limited hood space.
-  Load liquid or low-solubility samples.
-  May use other columns with Luer lock fittings.
-  Precise, pump-driven fraction collection.







Contact Isco or your Isco Dealer for further details and product demonstrations.

Isco, Inc. • PO Box 82531 • Lincoln NE 68501 • Phone (402) 464-0231 • Fax (402) 465-3022 • e-mail: info@isco.com
Toll-free (800) 228-4373 (USA and Canada)

Isco, Inc.

www.isco.com

CombiFlash RETRIEVE Applications

-  Drug discovery.
-  Agrochemistry.
-  Petrochemistry.
-  Quickly scale up intermediate compounds from milligram to several grams.



Solid-sample loading cartridge.

CombiFlash RETRIEVE Specifications



- Samples per run:** One
- Solvent delivery:** Valveless metering pump with long-life AC motor and automatic controller
- Flow rate:** 9-99 ml/min
- Pressure limit:** 50 psi with built-in pressure relief
- Liquid sample loading:** Manually operated valve for liquid samples
- Solid sample loading:** Sample load cartridge adapter for low-solubility samples
- Fraction collection:** Linear motion fraction collector with racks for 16 mm diameter tubes (116 tube capacity)
- Gradient:** Isocratic
- Optional tube sizes:** Racks available for 12 & 13 mm tubes (174 tube capacity); 18 mm tubes or vials (116 capacity); and 28 mm vials (42 capacity)
- Power options:** 100/117 VAC, 50/60 Hz; 234 VAC, 50/60 Hz (with CE mark)
- System dimensions:** 42H x 32W x 41Dcm
- Weight:** 13 kg

CombiFlash RETRIEVE Ordering Information

RETRIEVE Separation System68-5210-001

System includes: collection racks for 10 to 16 mm tubes, and one package of 10-gram (20/pkg) RediSep™ disposable Flash columns.

Options and Accessories



- 4-gram RediSep disposable Flash columns, pkg. of 20.....68-2203-025
- 12-gram RediSep disposable Flash columns, pkg. of 20.....68-2203-026
- 40-gram RediSep disposable Flash columns, pkg. of 15.....68-2203-027
- 120-gram RediSep disposable Flash columns, pkg. of 10.....68-2203-024
- Reverse Phase 5-gram RediSep Column, 2 columns.....68-2203-028
- Reverse Phase 14-gram RediSep Column, one column68-2203-029
- Reverse Phase 45-gram RediSep Column, one column68-2203-030
- Reverse Phase 150-gram RediSep Column, one column68-2203-031
- Sample load prepacked, silica gel cartridges, 5 gm, pkg. of 20.....69-3873-145
- Sample load prepacked, silica gel cartridges, 25 gm, pkg. of 1569-3873-147
- Sample load, empty cartridges, (holds up to 5 gm), pkg. of 30.....69-3873-140
- Sample load, empty cartridges, (holds up to 25 gm), pkg. of 30.....69-3873-146

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