

Solvent Evaporation

Fast, Reliable and Affordable



Fast, Automated and Safe Drying of Solvents

The Widest Range of Evaporation Solutions Available

CONTENTS

- 1** Biotage Evaporation System Selection Guide
- 2** TurboVap® Technology
- 3** TurboVap® Family
- 4** TurboVap® II
- 6** TurboVap® LV
- 8** TurboVap® 500
- 10** TurboVap® 96
- 12** Biotage® SPE Dry
- 14** Biotage® V-10 Evaporator
- 16** Accessories
- 17** Related Products
- 18** TurboVap® LV – Tubes and Racks Chart
- 20** Ordering Information

Biotage offers the widest range of solvent evaporation systems available. This guide presents the most suitable evaporation system for your research requirements, and answers common questions regarding service, maintenance and applications.

Evaporation systems can be found in virtually every type of laboratory, from drug discovery to analytical chemistry. Biotage evaporation instruments are commonly used in many applications and have been the market's preferred choice for decades.

For synthesis reactions, the unique Biotage® V-10 Evaporator offers a speedy solution for both HPLC fractions and high boiling solvent removal. Its automatic capabilities makes the V-10 Evaporator a work horse for today's drug discovery industries.

In clinical and hospital labs, general sample preparation is common practice and together with our ISOLUTE® and EVOLUTE® products we offer a complete solution for everyday evaporation and sample preparation needs. TurboVap® LV can accommodate a variety of sample sizes and formats to adopt your most common work practices.

In the environmental field, larger samples and low concentrations are often big hurdles. TurboVap® II and TurboVap® 500 offer a complete solution for both concentrations into smaller volumes or complete evaporation prior to analysis.



©2013 Biotage

Trademark Acknowledgement

The following trademarks are owned by Biotage AB: Advancer, Advancer 350, Advancer Kilobatch, AFFINILUTE, Biotage, Biotage ZIP, Endeavor, EVOLUTE, EVOLUTE EXPRESS, ExploraSep, Extrahera, Firefly design, FLASH+, FlashMaster, FlashVac, Flash 75, Flash 150, Flash 400, Horizon, HPFC, HP-SIL, HP-Sphere, Initiator, Initiator Peptide Workstation, Initiator+, Initiator+ Alstra, Initiator+ Robot 60, Initiator+ Robot 8, Initiator+ SP Wave, Isolera, Isolera Dalton, Isolera Dalton Mass Detector, Isolera Dalton Nanolink, Isolera Dalton System, Isolera Four, Isolera LS, Isolera One, Isolera Prime, Isolera Spektra, Isolera Spektra Four, Isolera Spektra LS, Isolera Spektra One, ISOLUTE, ISOLUTE Myco, ISOLUTE QuEChERS, IST, IST design, KILOPREP, KP-C18-HS, KP-C18-WP, KP-C4-WP, KP-NH, KP-Sil, KP-Sphere, MIP Rule of 6, MIP[4]Process, MIP[4]Proteins, MIP4SPE, PathFinder, PRESSURE+, PRESSURE+ 48, PRESSURE+ 96, RapidTrace, RapidTrace+, RENSA, Resolux, Robot 60, Robot 8, Samplet, SIM, SNAP, SNAP Ultra, SNAP XL, SP Wave, SP1, SP4, SPE Dry, SPE Dry 96, SPE Dry 96 Dual, SPx, Syro Wave, TurboVap, Universal Phase Separator, V-10, VacMaster, ZIF, ZIF-SIM, ZIP-Sphere, 1-Point Support.

Other product and company names mentioned herein may be trademarks or registered trademarks and/or service marks of their respective owners, and are used only for explanation and to the owners' benefit, without intent to infringe.

Biotage Evaporation System Selection Guide

	Sample Capacity	Sample Volume	Key Applications	Typical Solvents	Heating	Technology
TurboVap® II 	6	50 mL or 200 mL	Food, water, soil and environmental solvent extraction.	<ul style="list-style-type: none"> Acetone Acetonitrile Methanol Dichloromethane Toluene 	Water bath (RT to 90 °C)	Gas vortex shearing technology sensor endpoint detection with either 0.5 mL or 1.0 mL endpoint stems.
TurboVap® II ASE version 	6	40 mL	Food, water, soil and environmental solvent extraction.	<ul style="list-style-type: none"> Acetone Acetonitrile Methanol Dichloromethane Toluene 	Water bath (RT to 90 °C)	Gas vortex shearing technology sensor endpoint detection with either 0.5 mL or 1.0 mL endpoint stems.
TurboVap® LV 	50	From 1.5 mL to 30 mL	Forensic, clinical chemistry, food, and pharmaceutical laboratories for concentration of solvents following SPE cleanup of drug samples or pesticide extracts.	<ul style="list-style-type: none"> Acetonitrile Ethylacetate Hexane Methanol Dichloromethane 	Water bath (RT to 90 °C)	Gas vortex shearing technology.
TurboVap® LV ASE version 	24	40 mL or 60 mL ASE tubes	Food, water, soil and environmental solvent extraction.	<ul style="list-style-type: none"> Acetonitrile Ethylacetate Hexane Methanol Dichloromethane 	Water bath (RT to 90 °C)	Gas vortex shearing technology.
TurboVap® 500 	2	500 mL	Larger samples, water testing in remote locations with simple lab equipment. Comes with solvent recovery functionality as default.	<ul style="list-style-type: none"> Acetone Hexane Methanol Dichloromethane 	Water bath (RT to 95 °C)	Gas vortex shearing technology sensor endpoint detection with either 0.5 mL or 1.0 mL endpoint stems.
TurboVap® 96 	96 x 2	Up to 2 mL	Genomic and proteomic applications that require concentration of purified extracts. Widely used for drugs of abuse and other pharmaceutical SPE methods.	<ul style="list-style-type: none"> Acetonitrile DMSO (Dimethyl sulfoxide) Ethanol DMF (Dimethyl formamide) THF (Tetrahydrofuran) 	Heat block	Gas vortex shearing technology.
Biotage® SPE Dry 	24, 48, 96, and 384 well microplates	Up to 10 mL (depending on format)	Forensic, clinical chemistry, food, and pharmaceutical laboratories for concentration of solvents following SPE cleanup of drug samples or pesticide extracts.	<ul style="list-style-type: none"> Acetonitrile DMF Methanol Propan-2-ol DMSO 	Gas (RT to 80 °C)	Heated gas delivery above and below wells speeds evaporation.
Biotage® V-10 	1	Up to 12 mL (depending on vial)	High BP solvents, reversed phase HPLC fractions.	Almost all solvents, especially good for: <ul style="list-style-type: none"> DMF DMSO MeCN + water MeOH + water NMP 	Heated air	Patented 3-way evaporation including simultaneous heat, vacuum, and high speed vial rotation.