Solvent Evaporation

Fast, Reliable and Affordable

Biotage®

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.

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.	• 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.	• 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 sampels or pesticide extracts.	• 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.	• 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.	• 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.	• 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.	• 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: • DMF • DMSO • MeCN + water • MeOH + water • NMP	Heated air	Patented 3-way evaporation including simultaneous heat, vacuum, and high speed vial rotation.