



aapptec

advanced automated  
peptide protein technologies

Spirit of Innovation

# ACTEvap™



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Affordable **C**ompact **T**abletop **E**vaporator/Lyophilizer

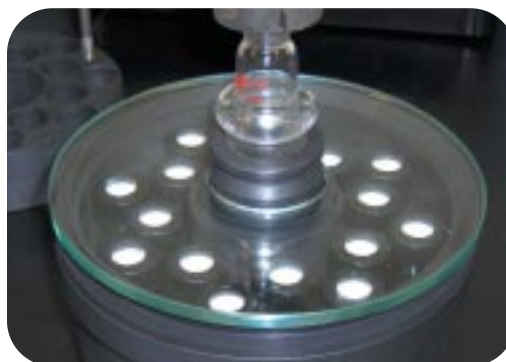
## Affordable Compact Tabletop Evaporator/Lyophilizer

The ACTEvap™ is a compact parallel evaporator and lyophilizer in one. The ACTEvap offers a variety of uses: evaporating/lyophilizing samples in vials from HPLC purification fractions, flash/column chromatography fractions, and preparing compound libraries. Capable of evaporating up to 35 vials simultaneously, the ACTEvap has various vials, test tubes and custom sizes that are interchangeable. Each vial has a unique semi-permeable cap which creates a two-stage vacuum.



ACTEvap evaporating

The ACTEvap is both easy and economical to use. Just place it on a rotary evaporator or connect it to a vacuum pump equipped with a low temperature trap. Because it uses inexpensive vials with reusable caps, the ACTEvap can be used often with maximum savings of time and cost.



ACTEvap lyophilizing

The ACTEvap is made of a chemically resistant Teflon® and thermally conductive composite. It requires little maintenance to perform at top operating condition. The ACTEvap's compact design and multiple uses make it the perfect accessory for any laboratory.

## The ACTEvap™

**Affordable:** Utilizes inexpensive vials, reusable caps, and is compatible with standard laboratory equipment

**Compact:** Small device requiring little bench space.

**Timely:** Evaporate/lyophilize up to 35 vials in a very short time

**Easy to Use:** Connect to rotary evaporator or vacuum with a low temperature trap

**Very Low Maintenance:** Just replace two Viton® seals annually

**Adaptable:** Custom racks available for specially sized vials or test tubes

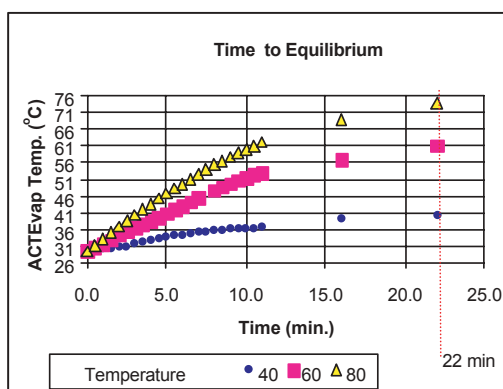
**Portable:** Easily carried from lab to lab

## ACTEvap™ can be used in all laboratories for:

- Evaporating or lyophilizing any type of samples simultaneously
- Lyophilizing and recovering peptide and protein solutions
- Evaporating chromatography fractions (HPLC, Flash, Column chromatography)
- Lyophilizing many small samples (prevents melting)
- Preparing parallel libraries

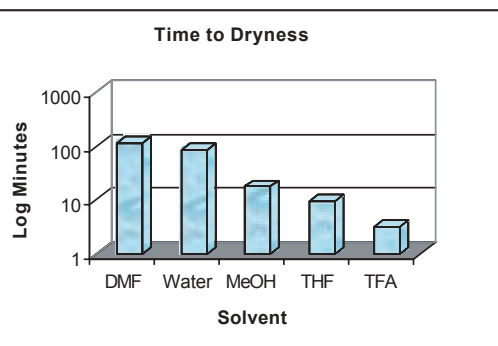
## ACTEvap™ Advantages and Features

- Saves time, evaporates/lyophilizes up to 35 samples simultaneously
- Unique permeable cap creates two-stage vacuum that reduces or eliminates bumping
- No cross-contamination or product loss due to bumping; samples remain completely isolated
- Prevents product loss by eliminating need for transfer
- Low operating cost, uses inexpensive vials, reusable caps



**ACTEvap** is composed of an advanced composite material with a high thermal conductivity. When the unit is immersed in a hot water bath it responds quickly, reaching an equilibrium temperature in about 22 minutes. This graph shows the warming time when immersed in water baths at 40, 60, and 80°C.

**ACTEvap** can remove a wide range of solvents including extremely volatile liquids such as TFA and liquids with high boiling temperatures like DMF. This graph shows the length of time required to evaporate 4.0 mL of five common solvents.<sup>1</sup> The goal was to evaporate the solvents as quickly as possible without bumping.



<sup>1</sup> Actual results will vary with experimental conditions.

ACTEvap

## ACTEvap Inserts

aapptec provides various sizes of inserts to fit different vials or test tubes. aapptec also provides special sizes to fit any vial or container that can be used for evaporation.



ACTEvap is available in the following configurations, with corresponding catalog numbers:

Configuration	Catalog Number
• 35 well, 4ml multi-vial evaporation	Part #990212
• 24 well, 4ml multi-vial evaporator	Part #990211
• 24 well, 7.4ml multi-vial evaporator	Part #990210
• 16 well, 22ml multi-vial evaporator	Part #990209
• 10 well, 20ml multi-vial evaporator	Part #990208
• 10 well, 40ml multi-vial evaporator	Part #990207



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ACTEvap