

Auto EVA Mini

Automated Evaporation System

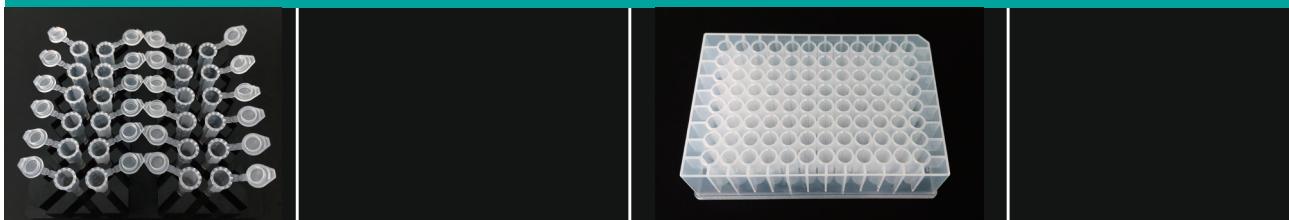


RayKol Auto EVA Mini automatic parallel evaporation system is specially designed for the concentration of high throughput small-volume samples processing, suitable for microplates and injection vials. It uses stable and rapid nitrogen blowing and uniform heating to evaporate each well. The concentrator can be compatible with common microplates on the market, such as shallow/deep 96-well microplate, 24-position vials. Auto EVA Mini system dry samples quickly by uniquely designed nitrogen needle ensuring the constant flow rate. It commonly used for microplate samples and 1.5ml,2ml vials in chromatographic detection, 1-2mL centrifuge tubes in QuEChERS.

Concentration for small volume samples with High Throughput



One instrument with multiple applications



Efficient and uniform evaporation

- Automatically precisely control the air flow rate of each needle, which can ensure the consistent gas flow rate.
- Equipped with its own switch to shut down gas flow when other rows of microplate wells are not in use to conserve nitrogen gas.
- Adjustable needles can slowly follow the liquid level during concentration, which could stably accelerate the evaporation without sample losing.
- The heating temperature can be precisely controlled from room temperature to 100°C and temperature difference between each well is not exceed $\pm 1^\circ\text{C}$.

Good compatibility

- The system with optional heating module to help speed evaporation.
- The system has reserved space to install microplate and vials rack, which compatible with 24-, 48-, 96-well microplate and 1.5ml, 2ml vials, 1-2mL centrifuge tubes in QuEChERS.

Graphical software interface

- Built-in 7 inch touch screen, all-in-one software control, all parameters can be set and saved, including temperature, needle tracing speed. And all saved methods can be recalled to reproduce following process.

Automated sample pretreatment solution for pesticide residue

Dosing

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Extraction

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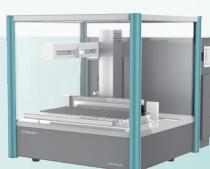
Purification

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Concentration

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Analysis



Automated liquid sample preparation station



Automated Homogenizer



Automated Evaporation System

Application



Food



Environment



Biology



Pharmacy

Dedicated to be a leading supplier in smart laboratory



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