

LAB ESSENTIALS FOR THE NATURAL PRODUCT INDUSTRY



Magnetic stirrer

RCT basic

- > Activation of chemical reactions and synthesis procedures with precise control of the sample temperature
- > Gentle mixing under low shear to promote particle collision for accelerated reaction times



Dry mill

MultiDrive basic M 20 successor package

- > Grinding raw materials for isolation and improved extraction efficiency of natural products
- > Real time temperature measuring and integrated cooling chamber to prevent thermal degradation



Drying oven

IKA Oven 125 basic - dry

- > Gentle heating to remove moisture from lightweight samples such as leaves and powders
- > Thermal pretreatment of biomass for efficient extraction



Vacuum pump

VACSTAR control

- > Fast recovery of extraction solvents under strong vacuum and low heating temperature
- > Automatic boiling point detection to provide an optimum pressure for any known or unknown solvents



Incubator Shaker

KS 4000 ic control

- > Used to support natural product extraction procedures from raw materials
- > Cell culture inoculation for microbial assays



Temperature control

ICC basic eco 18

- > Enzyme kinetics studies and activity testing with a temperature stability of up to +/- 0.02 °C
- > Cell culture, extraction and pre-treatment of biomass

IKA RECOMMENDATION

/// For understanding and analysing natural products



RV 10 auto pro V Rotary Evaporator

APPLICATION

Concentration of natural extracts to a predefined sample volume prior to analysis in HPLC and GC/MS

SOLUTION

> IKA's PATENTED volume dependent distillation function: automatic distillation of the desired volume of natural extracts before sample analysis



RV 10.500 Foam brake (NS 29/32)

APPLICATION

Solvent removal from saponin samples

SOLUTION

> Rising foam produces burst in the glass ball extension. This stops foam from entering the receiving flask and the condenser
> The RV 10 auto pro unit comes with a vent key for instantaneous foam dissipation



RV 10.606 Distilling spider with 5 flasks 50 ml (NS 29/32)

APPLICATION

Distilling many small volume samples at once by removing the same solvent

SOLUTION

> IKA distilling spider reduces operation time by simultaneously distilling many samples (up to 20)



RV 10.400 Evaporation cylinder (NS 29/32, 500 ml)

APPLICATION

Removal of viscous or sticky samples from the evaporation flask after distillation for subsequent analysis

SOLUTION

> Wide cylindrical flask opening allows easy removal of viscous samples after distillation

Find your personal contact here!



IKAworlwide // #lookattheblue