

A large, thick, teal-colored line graphic that starts from the left edge, moves vertically down, then horizontally right, then vertically up, then horizontally right, then vertically down, and finally horizontally right across the bottom of the page. It has rounded corners and a slight gradient from light to dark teal.

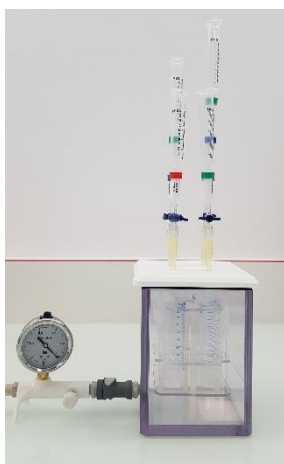
PRODUCT SHEET

TrisKem vacuum box

DA OLTRE **35 ANNI** TRACCIAMO
PERCORSI PER LA **SICUREZZA**

PRODUCT SHEET

TrisKem VACUUM BOX



Order N°.	Accessories included in vacuum box 4 / 12 / 24 positions
<p>AC-4-BVF 4 positions vacuum box Dimensions (LxWxH in mm): 310¹(147)²x145x180 With AC-4-ALID (box top)</p>	<p>AC-25-RV10: 8 / 25 / 50 units of 10mL reservoirs (PP³)</p> <p>AC-1000-OT: 8 / 25 / 50 units of yellow outer tips (PP)</p> <p>AC-1000-TUBEPE: 8 / 25 / 50 white inner tips (PE⁴)</p>
<p>AC-12-BVF 12 positions vacuum box Dimensions (LxWxH in mm): 475 (313) x145x180 With AC-12-ALID (box top)</p>	<p>AC-131-R: 8 / 25 / 50 blue tip caps (PP)</p> <p>AC-KIT-GAUGE: 1 vacuum gauge system</p> <p>AC-4/12/24-ARACK: 1 internal rack for e.g. 50mL centrifuge tubes, adjustable height with screwed piles (PMMA⁵ and piles in PP)</p>
<p>AC-24-BVF 24 positions vacuum box Dimensions (LxWxH in mm): 725 (562) x145x180 With AC-24-ALID (box top)</p>	<p>AC-12-VALVE-PC: 4 / 12 / 24 valves for flow-rate regulation (PC⁶)</p>
<p>ATTENTION: Vacuum Pump is <u>not</u> included <i>Recommended characteristics of vacuum pump:</i> Pressure = 8mbar ; Air Flow = 16L/min ; Chemically inert</p>	

¹ Length of the box including the gauge

² Length of the vacuum box without the gauge

³ PP=PolyPropylene

⁴ PE=PolyEthylene

⁵ PMMA=PolyMethylMetAcrylate

⁶ PC=PolyCarbonate

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TrisKem VACUUM BOX CARTRIDGES ACCESSORIES

References of the vacuum boxes available as spare references for

4 positions vacuum box

AC-4-BVF

Dimensions (LxWxH in mm):

310 (147) x145x180



4 positions vacuum box lid - AC-4-ALID

4 positions vacuum box inside rack - AC-4-ARACK

4 positions vacuum box inner liner - NOT AVAILABLE

12 positions vacuum box

AC-12-BVF

Dimensions (LxWxH in mm):

475 (313) x145x180



12 positions vacuum box lid - AC-12-ALID

12 positions vacuum box inside rack - AC-12-ARACK

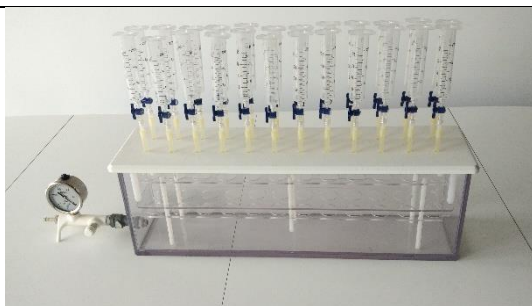
12 positions vacuum box inner liner - AC-12-LINER

24 positions vacuum box

AC-24-BVF

Dimensions (LxWxH in mm):

725 (562) x145x180



24 positions vacuum box lid - AC-24-ALID

24 positions vacuum box inside rack - AC-24-ARACK

24 positions vacuum box inner liner - NOT AVAILABLE

24 vacuum box Inner Liner is available as AC-24-LINER with the Eichrom reference AC-24-BOX

all 3 sizes of vacuum boxes

Gauge

AC-KIT-GAUGE

Gauge connected via a fast plug

➤ Easy to plug and unplug

Pressure unit in bar



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TrisKem VACUUM BOX

CARTRIDGES ACCESSORIES

Associated cartridges consummables

ORDER N°.	DESCRIPTION
AC-25-RV10	10mL reservoirs (PP), bag of 25
AC-200-RV10	10mL reservoirs (PP), bag of 200
AC-25-RV20	20mL reservoirs (PP), bag of 25
AC-1000-OT	yellow outer tips (PP) – to ensure the box sealing, bag of 1000 units
AC-1000-TUBEPE	white inner tips (PE) – column or cartridge support, bag of 1000 units
AC-131-R	blue tip caps (PP) for un-used positions, bag of 100
AC-12-VALVE-PC	flow-rate regulation valve (PC), bag of 12 (do not leave in acid bath)
AC-12-TS and AC-24-TS	Cartridge rack when using stacked cartridges – PMMA (depending on the size of the vacuum box in use)
AC-100-R02	empty cartridges (2 mL), bag of 100 units (PP – frits in PE, 20µm porosity)
AC-20-R08	empty cartridges (8 mL), bag of 20 units (PP – frits in PE, 20µm porosity)
AC-20-R20	empty cartridges (20 mL), bag of 20 units (PP – frits in PE, 20µm porosity)



Figure 1: 10 and 20mL reservoirs



Figure 2: outer and inner tips



Figure 3: flow-rate regulation valve



Figure 4: 2mL and 20mL cartridges

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TrisKem VACUUM BOX

CARTRIDGES ACCESSORIES

ORDER N°.	DESCRIPTION
RF-DF25-25PP01	Package of 25 Resolve® filter (Ø 25 mm) funnel units (PP)
RF-DF200-25PP01	Case of 8 packs of 25 Resolve® filter (Ø 25 mm) funnel units (PP)



Figure 5: filtration unit for microprecipitation using Resolve filter

Methods⁷

Reference	Description	Matrix	Analytes	Support
VBS01	Setup and Operation Instructions for Eichrom's Vacuum Box System (VBS)	/	/	/
SPA01	Cerium Fluoride microprecipitation for alpha spectrometry	/	/	/
ACS07 VBS	Uranium in soil (Vacuum Box System)	soil	U	cartridges
ACU02 VBS	Americium, Plutonium and Uranium in urine (Vacuum Box System)	urine	Am, Pu and U	cartridges
ACW01 VBS	U and Th in water (Vacuum Box System)	water	U and Th	cartridges
ACW02 VBS	Uranium in water (Vacuum Box System)	water	U	cartridges
ACW03 VBS	Americium, Plutonium and Uranium in water (Vacuum Box System)	water	Am, Pu and U	cartridges
ACW04 VBS	Americium in water (Vacuum Box System)	water	Am	cartridges
ACW08 VBS	Th and Np in water (Vacuum Box System)	water	Th and Np	cartridges
ACW10 VBS	Th in water (Vacuum Box System)	water	Th	cartridges
ACW13 VBS	Thorium, Plutonium and Uranium in water (Vacuum Box System)	water	Pu, Th and U	cartridges
ACW16 VBS	Am_Np_Pu_Th_Cm_U in water (Vacuum Box System)	water	Am, Cm, Pu, Th and U	cartridges
ACW17 VBS	Am_Np_Pu_Th_Cm_U_Sr in water (Vacuum Box System)	water	Am, Cm, Pu, Th, U and Sr	cartridges

⁷ Methods developed by Eichrom Technologies LLC

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TrisKem VACUUM BOX CARTRIDGES ACCESSORIES

Reference	Description	Matrix	Analytes	Support
FEW01 VBS	Fe in water (Vacuum Box System)	water	Fe	cartridges
NIW01 VBS	Ni in water (Vacuum Box System)	water	Ni	cartridges
PBS01 VBS	Pb-210 in soil (Vacuum Box System)	Soil	Pb-210	cartridges
PBW01 VBS	Pb-210 and Po-210 in water (Vacuum Box System)	water	Pb, Po	cartridges
RAW01 VBS	Radium-228 in water – LN Resin method (Vacuum Box System)	water	Ra-228	cartridges
RAW03 VBS	Radium-226/228 in water - LN Resin method (Vacuum Box System)	water	Ra-226, Ra-228	cartridges
RAW04 VBS	Radium-226/228 in water - MnO ₂ & DGA Resins method (Vacuum Box System)	water	Ra-226, Ra-228	cartridges
SPA03 VBS	Separation of Am from Rare-Earth	/	Am	cartridges
SRW01 VBS	Strontium in water (Vacuum Box System)	water	Sr-89/90	cartridges
TCS01 VBS	Tc-99 in soil (Vacuum Box System)	Soil	Tc-99	cartridges
TCW01 VBS	Tc-99 in water (Vacuum Box System)	water	Tc-99	cartridges