

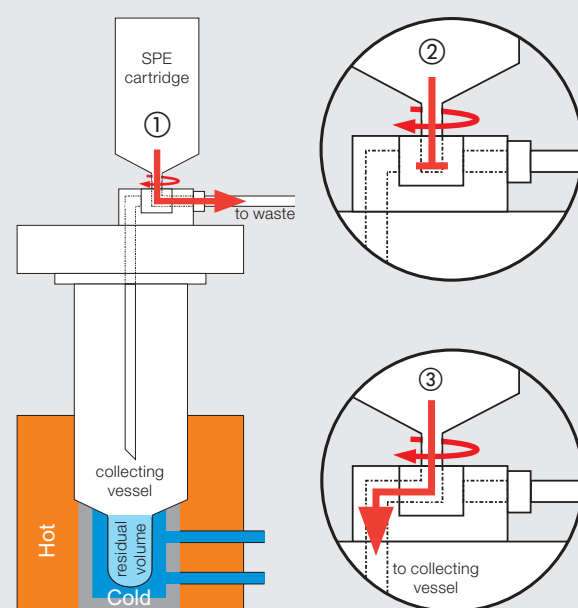
SPE & Evaporation



Conventional solid phase extraction (SPE), an essential step in many analytical procedures, includes a number of laborious steps. With the help of the modified parallel evaporator, Syncore®, all essential work-up steps including evaporation of the eluates are achieved without any sample handling between the individual steps.

The SPE modules meet the following requirements:

- little sample handling: conditioning, enrichment, washing, elution and evaporation are carried out without interruption rendering high throughput
- individual control: each sample has its own stopcock to control the flow, therefore achieving safe operation and high recovery rates
- no cross-contamination: no risk of contamination from adjacent samples due to individual sample sealing
- efficient evaporation: elimination of sample transfer allows for fast parallel evaporation in an environmentally sound way



① "Waste" position:

Cartridge is conditioned, enriched with the analyte, and washed. All liquids are transferred to a waste vessel.

② "Stop" position:

Closure of the cartridge to prevent from running dry or to close the system during evaporation.

③ "Elute" position:

Elution of the analyte into the collecting vessel, followed by concentration to a residual volume.

Syncore SPE work-up accessories

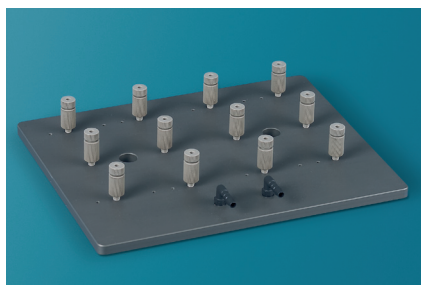
The Syncore® SPE work-up accessories are available in two different configurations. With the SPE Basic setup, the sample is transferred directly into the collecting vessel for subsequent evaporation. The flow of each position

can be individually controlled. In contrast, the SPE Advanced setup allows separating the liquid passed through a SPE cartridge into either a waste vessel or a collecting vessel, respectively. The eluate is then evaporated to dryness (Polyvap) or to a pre-defined residual volume (Analyst). The accessories are

available as MODULE to upgrade a standard Syncore vacuum cover, or as fully equipped COVER. The accessories are compatible with standard Luer-tipped SPE columns or filter discs. For further information please visit our homepage:

www.buchi.com → parallel evaporation

SPE Basic accessories

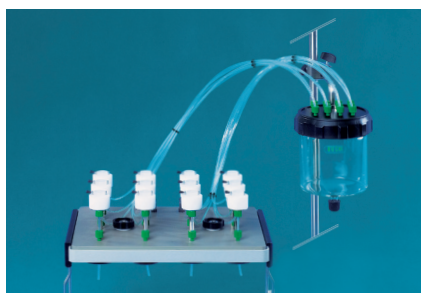


The SPE Basic MODULE intended to upgrade an existing Syncore vacuum cover comprises a coated aluminium plate, flow-control valves (PEEK) and flanged tubes (FEP). The corresponding SPE Basic COVER consists of a complete vacuum cover equipped with the SPE Basic Module.

SPE Basic setup	Order-no.	
	MODULE	COVER
Format 4	*	*
Format 6	*	*
Format 12	051440	051438
Format 24	051463	051439
Format 48	*	*

* available on request

SPE Advanced accessories



The SPE Advanced MODULE intended to upgrade an existing Syncore vacuum cover comprises a coated aluminium plate, 3-way stopcocks (PTFE, FEP) fitted on a support, a waste vessel and tubes (FEP). The corresponding SPE Advanced COVER consists of a complete vacuum cover equipped with the SPE Advanced Module.

SPE Advanced setup	Order-no.	
	MODULE	COVER
Format 4	*	*
Format 6	*	*
Format 12	051164	051448

* available on request

Accessories and spare parts

Item	Order-no.
Set of 12 flow-control valves	051453
Set of 12 three-way stopcocks	051457
Tube cutter	019830
FEP tube (OD 1/8", ID 1/16", L 5 m)	044354

Item	Order-no.
Set of 6 flanged FEP tubes	051459
Set of 4 x 3 FEP waste tubes, length adjusted	051455
Set of 25 tube fittings (1/8", green)	040956
Set of 25 ferrules (1/8", green)	040961

BÜCHI Labortechnik AG
Postfach
9230 Flawil 1
Schweiz
T +41 71 394 63 63
F +41 71 394 65 65
buchi@buchi.com
www.buchi.com

BÜCHI Labortechnik GmbH
Postfach 10 03 51
45003 Essen
Deutschland
Freecall 0800 414 0 414
T +49 201 747 490
F +49 201 237 082
deutschland@buchi.com
www.buechigmbh.de

BÜCHI Labortechnik GmbH
Branch Office Netherlands
Postbus 142
3340 AC Hendrik-Ide-Ambacht
The Netherlands
T +31 78 684 94 29
F +31 78 684 94 30
netherlands@buchi.com
www.buchi.nl

BÜCHI Italia s.r.l.
Centro Direzionale, Milano Fiori
Pal. A-4, Strada 4
20090 Assago (MI)
Italia
T +39 02 824 50 11
F +39 02 57 51 28 55
italia@buchi.com
www.buchi.it

BUCHI (Thailand) Ltd.,
77/175, Sin Sathon Tower,
39th FL, Unit F
Krungthongburi Rd.
Klongtonnai, Klongsan
Bangkok 10600
Thailand
T +66 2 862 08 51
F +66 2 862 08 54
bacc@buchi.com
www.buchi.com

BUCHI India
Private Ltd.
201, Magnum Opus
Shantinagar Industrial Area
Vakola, Santacruz (East)
Mumbai 400 055,
India
www.buchi.com

BUCHI Corporation
19 Lukens Drive, Suite 400
New Castle
Delaware 19720
USA
T +1 302 652 3000
F +1 302 652 8777
Toll Free: +1 877 692 8244
us-sales@buchi.com
www.mybuchi.com

BUCHI Hong Kong Ltd.
1810 Fortress Tower
250 King's Road
North Point, Hong Kong
China
T +852 2389 2772
F +852 2389 2774
china@buchi.com
www.buchi.com

BUCHI Shanghai Trading LLC
21/F Shanghai Industrial
Investment Building
18 Caoyi Bei Road
200030 Shanghai
China
T +86 21 6468 1888
F +86 21 6428 3890
china@buchi.com
www.buchi.com

BUCHI UK Ltd
5 Whitegate Business Centre
Jardine Way
Chadderton
Oldham OL9 9QL
United Kingdom
T +44 161 633 1000
F +44 161 633 1007
uk@buchi.com
www.buchi.co.uk

BUCHI Srl
5, rue du Pont des Halles
Z.A. du Delta
94656 Rungis Cedex
France
T +33 1 56 70 62 50
F +33 1 46 86 00 31
france@buchi.com
www.buchi.fr

Nihon BUCHI K.K.
3F IMON Bldg.,
2-7-17 Ikenohata, Taito-ku,
Tokyo 110-0008
Japan
T +81 3 3821 4777
F +81 3 3821 4555
nihon@buchi.com
www.nihon-buchi.jp

We are represented by more than 100 distribution partners worldwide. Find your local representative at www.buchi.com

Quality in your hands