

Auto-Twister

Part Number	Units	Phase	Thickness (mm)	Length (mm)	
023510-005-00	5	PDMS	0.5	10	glass
023511-005-00	5	PDMS	1.0	10	glass
023259-005-00	5	PDMS	0.5	20	glass
023509-005-00	5	PDMS	1.0	20	glass
024181-005-00	5	CWR/PDMS	0.5	10	glass
024182-005-00	5	CWR/PDMS	0.5	20	glass
024179-005-00	5	HLB/PDMS	0.5	10	glass
024180-005-00	5	HLB/PDMS	0.5	20	glass
024177-005-00	5	DVB/PDMS	0.5	10	glass
024178-005-00	5	DVB/PDMS	0.5	20	glass
024183-005-00	5	CWR/DVB/PDMS	0.5	10	glass
024184-005-00	5	CWR/DVB/PDMS	0.5	20	glass



GERSTEL, Inc.

Eberhard Gerstel Platz 1
45473 Mülheim an der Ruhr
Germany

+49 208 76503-0
info@gerstel.com
www.gerstel.com

701 Digital Drive, Suite J
Linthicum, MD 21090
United States

410.247.5885
sales@gerstelus.com
www.gerstelus.com

Japan
GERSTEL K. K.
+ 81 3 5731 5321
info@gerstel.co.jp

Singapore
GERSTEL LLP
+65 6779 0933
sea@gerstel.com

China
GERSTEL (Shanghai) Co. Ltd
+86 (0) 21 507 19 39
china@gerstel.com



Multiple Options for Stir Bar Sorptive Extraction (SBSE)

TWISTER & AUTOTWISTER

SORBENT PHASES

Tailored SBSE enrichment for demanding analytical workflows

Twister & AutoTwister

SORBENT PHASES

PDMS



Phase	Enrichment	Application Examples
Twister Available in 10mm or 20mm length with phase thickness 0.5mm or 1.0mm on glass	<ul style="list-style-type: none"> • Non-polar to semi-volatile compounds • Hydrophobic interactions • High capacity for VOCs & SVOCs 	<ul style="list-style-type: none"> • Environmental VOCs (BTEX, solvents) • Flavors & fragrances • Hydrocarbons, mineral oil components • Packaging migrants
AutoTwister Available in 10mm or 20mm length with phase thickness 0.5mm or 1.0mm On glass		

CWR/PDMS



Phase	Enrichment	Application Examples
Twister Available in 10mm with phase thickness 0.5mm On glass	<ul style="list-style-type: none"> • Polar to semi-polar compounds • Improved recovery of water-soluble analytes 	<ul style="list-style-type: none"> • Odor-active compounds in beverages • Polar aroma compounds • Wastewater contaminants • Off-flavor analysis
AutoTwister Available in 10mm or 20mm with phase thickness 0.5mm On glass		

HLB/PDMS



Phase	Enrichment	Application Examples
Twister Available in 10mm with phase thickness 0.5mm On glass	<ul style="list-style-type: none"> • Broad polarity range • Balanced hydrophilic-lipophilic interactions 	<ul style="list-style-type: none"> • Pharmaceuticals & personal care products (PPCPs) • Food contaminants • Emerging pollutants • Complex environmental matrices
AutoTwister Available in 10mm or 20mm with phase thickness 0.5mm On glass		

Twister® and AutoTwister® phases from GERSTEL enable solvent-free, highly reproducible Stir Bar Sorptive Extraction (SBSE) for GC-MS analysis. By selecting the appropriate phase chemistry, laboratories can optimize enrichment for non-polar, polar, or mixed analyte profiles across environmental, food, flavor, forensic, and industrial applications.

DVB/PDMS



Phase	Enrichment	Application Examples
Twister Available in 10mm with phase thickness 0.5mm On glass	<ul style="list-style-type: none"> • Volatile and semi-volatile analytes Enhanced surface adsorption 	<ul style="list-style-type: none"> • Flavor and fragrance profiling • Residual solvents • Industrial chemicals • Fast screening of VOCs
AutoTwister Available in 10mm or 20mm with phase thickness 0.5mm On glass		

CWR/DVB/PDMS



Phase	Enrichment	Application Examples
Twister Available in 10mm with phase thickness 0.5mm On glass	<ul style="list-style-type: none"> • Wide polarity coverage • Simultaneous enrichment of polar and non-polar analytes 	<ul style="list-style-type: none"> • Complex food matrices • Environmental screening methods • Unknown screening / non-target analysis • Samples with mixed analyte classes
AutoTwister Available in 10mm or 20mm with phase thickness 0.5mm On glass		

Twister



Part Number	Units	Phase	Thickness (mm)	Length (mm)
011222-001-00	10	PDMS	0.5	10
011222-002-00	100			
011333-001-00	10	PDMS	1.0	10
011333-002-00	100			
011444-001-00	10	PDMS	0.5	20
011444-002-00	100			
011555-001-00	10	PDMS	1.0	20
011555-002-00	100			
024176-010-00	10	CWR/PDMS	0.5	10
024107-010-00	10	HLB/PDMS	0.5	10
024175-010-00	10	DVB/PDMS	0.5	10
024108-010-00	10	CWR/DVB/PDMS	0.5	10

Highly reproducible Stir Bar Sorptive Extraction (SBSE)