

United Chemical Technologies, Inc. *presents* 96 Well SPE Plates

*Now our sorbents are available in 96 Well Plates format!**

United Chemical Technologies, Inc. is the leader in the development of SPE products since 1984. This expertise is based upon a comprehensive knowledge of silica based sorbent manufacture which results in reproducible products of the highest quality.

- Over 35 different sorbent chemistries
- Method development formats
- Full service technical support
- Custom packing and manufacturing
- Competitive pricing
- Satisfaction guaranteed



IDEAL FOR ALL SPE APPLICATIONS AND HIGH THROUGH PUT SCREENING

- Up to a 2ml sample volume per well
- Robotic and Liquid Handling Compatibility:
Advanced Chemtech, Beckman, Bodan,
Gilson, Hamilton, Packard, Sagan, Tecan,
Tomtec, Zinser, Zymark

Both 96 Well Plates are made from solvent resistant, low extractable polypropylene. Standard frits are polyethylene with 20 μ pores. Different pore size or frit material is available upon request.

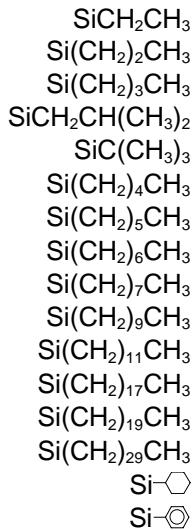
*A 96 well plate compatible with the Hydra® liquid handling system is also available.

Sorbents

Hydrophobic

SORBENT

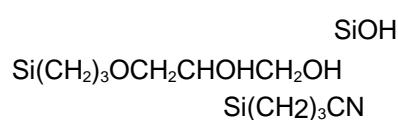
C2 ethyl
 C3 propyl
 C4 n-butyl
 iC4 isobutyl
 tC4 tertiary butyl
 C5 pentyl
 C6 hexyl
 C7 heptyl
 C8 octyl
 C10 decyl
 C12 dodecyl
 C18 octadecyl
 C20 eicosyl
 C30 tricontyl
 Cyclohexyl
 Phenyl

STRUCTURE


Hydrophilic

SORBENT

Silica
 Diol
 Cyanopropyl
 Florisil PR®
 Alumina-Acid
 Alumina-Neutral
 Alumina-Base

STRUCTURE


“Over 35 Different Phases”
Particle size 40-60 µm,
Pore size 60Å

Ion Exchange

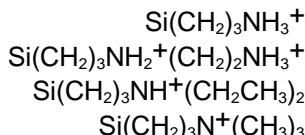
SORBENT

Anion

Aminopropyl (1° amine)
 n-2 aminoethyl (2° amine)
 Diethylamino (3° amine)
 Quaternary Amine (4° amine)

- Available in alternative weaker counter ion;
 (CAQAX with CH_3CO_2^- counter ion or CHQAX with OH^- counter ion)

*** SAX (DVB / Styrene)

STRUCTURE

pKa

9.8

10.1, 10.9

10.6

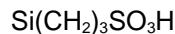
always charged

Cation

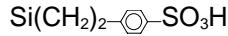
Carboxylic Acid
 Propylsulfonic Acid
 Benzenesulfonic Acid
 Benzenesulfonic Acid High Load
 *** SCX (DVB / Styrene)



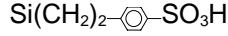
4.8



<1



always charged

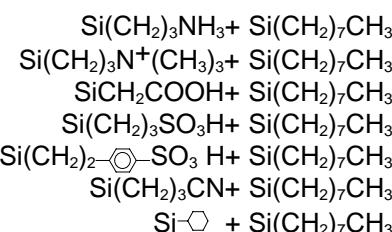


always charged

Copolymeric (Mixed Phase)**

SORBENT

Aminopropyl + C8
 Quaternary Amine + C8
 Carboxylic Acid + C8
 Propylsulfonic Acid + C8
 Benzenesulfonic Acid + C8
 Cyanopropyl + C8
 Cyclohexyl + C8

STRUCTURE


** UCT manufactures true copolymeric sorbents by dually reacting their high purity silicas. The product is not a mixed bed sorbent.
 *** Hydrated DVB / Styrene cross linked sorbent

To Order Call: 800-541-0559 • Fax: 215-785-1226 • Shop Online: www.unitedchem.com

96 Well Plates

<u>Sorbent</u>	<u>Part Numbers</u>	<u>Amount Sorbent per Well, mg</u>
*ENDCAPPED C18	WORCEC18105	50
	WORCEC1811	100
	WORCEC1812	200
	WORCEC1813	300
*ENDCAPPED C8	WORCEC08105	50
	WORCEC0811	100
	WORCEC0812	200
	WORCEC0813	300
*ENDCAPPED C4	WORCEC04105	50
	WORCEC0411	100
	WORCEC0412	200
	WORCEC0413	300
*ENDCAPPED C2	WORCEC02105	50
	WORCEC0211	100
	WORCEC0212	200
	WORCEC0213	300
CYCLOHEXYL	WORCYH105	50
	WORCYH11	100
	WORCYH12	200
	WORCYH13	300
PHENYL	WORPHY105	50
	WORPHY11	100
	WORPHY12	200
	WORPHY13	300
SILICA	WORSIL105	50
	WORSIL11	100
	WORSIL12	200
	WORSIL13	300
DIOL	WORDIOL105	50
	WORDIOL11	100
	WORDIOL12	200
	WORDIOL13	300
CYANOPROPYL	WORCYN105	50
	WORCYN11	100
	WORCYN12	200
	WORCYN13	300
Florisil PR, 60-100 MESH	WORFLSPR05	50
	WORFLSPR1	100
	WORFLSPR2	200
	WORFLSPR3	300
Florisil 100-200 MESH, GRADE A	WORFLSA05	50
	WORFLSA1	100
	WORFLSA2	200
	WORFLSA3	300
ALUMINA-ACID	WORALA05	50
	WORALA1	100
	WORALA2	200
	WORALA3	300

* Also available: C3; C5; C6; C7; C10; C12; C20; C30 All hydrophobic phases are offered in endcapped and unendcapped phases

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<u>Sorbent</u>	<u>Part Numbers</u>	<u>Amount Sorbent per Well, mg</u>
ALUMINA-NEUTRAL	WORALN05 WORALN1 WORALN2 WORALN3	50 100 200 300
ALUMINA-BASE	WORALB05 WORALB1 WORALB2 WORALB3	50 100 200 300
AMINOPROPYL	WORNAX105 WORNAX11 WORNAX12 WORNAX13	50 100 200 300
N-2 AMINOETHYL	WORPSA105 WORPSA11 WORPSA12 WORPSA13	50 100 200 300
DIETHYLMINIO	WORDAX105 WORDAX11 WORDAX12 WORDAX13	50 100 200 300
**QUATERNARY AMINE	WORQAX105 WORQAX11 WORQAX12 WORQAX13	50 100 200 300
CARBOXYLIC ACID	WORCCX105 WORCCX11 WORCCX12 WORCCX13	50 100 200 300
PROPYLSULFONIC ACID	WORPCX105 WORPCX11 WORPCX12 WORPCX13	50 100 200 300
BENZENESULFONIC ACID	WORBCX105 WORBCX11 WORBCX12 WORBCX13	50 100 200 300
BENZENESULFONIC ACID HIGH LOAD	WORBCXHL105 WORBCXHL11 WORBCXHL12 WORBCXHL13	50 100 200 300
AMINOPROPYL + C8	WORNAX205 WORNAX21 WORNAX22 WORNAX23	50 100 200 300
QUATERNARY AMINE + C8	WORQAX205 WORQAX21 WORQAX22 WORQAX23	50 100 200 300
CARBOXYLIC ACID + C8	WORCCX205 WORCCX21 WORQAX22 WORQAX23	50 100 200 300

**Available with chloride, acetate or hydroxide counter ion.

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96 Well Plates

<u>Sorbent</u>	<u>Part Numbers</u>	<u>Amount Sorbent per Well, mg</u>
PROPYLSULFONIC ACID + C8	WORPCX205	50
	WORPCX21	100
	WORPCX22	200
	WORPCX23	300
BENZENESULFONIC ACID + C8	WORBCX205	50
	WORBCX21	100
	WORBCX22	200
	WORBCX23	300
CYANOPROPYL + C8	WORCNP205	50
	WORCNP21	100
	WORCNP22	200
	WORCNP23	300
CYCLOHEXYL + C8	WORCYH205	50
	WORCYH21	100
	WORCYH22	200
	WORCYH23	300
DIOL + C18	WORDIOL305	50
	WORDIOL31	100
	WORDIOL32	200
	WORDIOL33	300
***SAX (DVB/STYRENE CROSSLINKED)	WORPSAX05	50
	WORPSAX1	100
	WORPSAX2	200
	WORPSAX3	300
***SCX (DVB/STYRENE CROSSLINKED)	WORPSCX05	50
	WORPSCX1	100
	WORPSCX2	200
	WORPSCX3	300

<u>METHOD DEVELOPMENT PLATES</u>	<u>Amount Sorbent per Well, mg</u>
HYDROPHOBIC	20 TO 600
HYDROPHILIC	20 TO 600
ANION EXCHANGE	20 TO 600
CATION EXCHANGE	20 TO 600
COPOLYMERIC	20 TO 600
CUSTOM	20 TO 600

***Hydrated DVB/STYRENE are all silica phases are standard particle size 40-60µm, 60Å pore size, limited stock of smaller and larger silica phases, please call for availability