



Know What You Didn't **KNOW**

BY USING BEST-IN-CLASS VIALS

RSATM

REDUCED SURFACE ACTIVITY GLASS



EXCLUSIVELY BY:

MICROSOLV TECHNOLOGY
CORPORATION

www.rsa-glass.com

RSA™

REDUCED SURFACE ACTIVITY GLASS



Prevent pH changes in the vial; beware of borosilicate glass.

Residual contaminants used as release agents for ordinary glass autosampler vial manufacturing process can cause the pH of water based diluents to increase by up to 1.5 pH unit in the vial over a four-hour period. RSA™ vials do not contain any of these common contaminants and gives you assurance that your chromatography will not change during this period due to invisible vial contamination.



Prevent hydrolysis in the vial — great for bio active compounds.

Hydroxyl groups found on the surface of all ordinary glass autosampler vials can be very acidic causing hydrolysis of bio active compounds. RSA™ vial surfaces have virtually no silanols making them mostly inert for these types of compounds that are susceptible to acidic functionality.



Insure quantitation precision run to run, minimize sample adsorption.

The hydroxyl groups found on the surface of ordinary glass autosampler vials will bind basic compounds. RSA™ vials have virtually no silanols and every batch is tested for low adsorption. Quantitation is very precise and eliminates increase in RSD vial to vial and lot to lot. Prevent investigations due to glass vials retaining your samples. This is especially noticeable in low sample concentration.



Prevent adducts seen in LCMS from the vials.

During the manufacturing process for all ordinary autosampler vials, if the process is not controlled properly, metals such as sodium can accumulate on the surface of the glass. Sodium and other metals can cause adducts in LCMS as well as “completes” and cause other problems. Every batch of RSA™ vials are tested for and have extremely low metal content, making them ideal for LCMS and LCMS/MS and GC/MS.



Cleanest vials on the market — prevent spurious peaks from glass.

The RSA™ autosampler vial manufacturing process is conducted in an ultra-clean glass conversion facility and does not use any release agents, grease or glass additives. The entire process is fully automated and vials are never touched by human hands for assurance of cleanest vials without a wash process which can introduce contamination to the finished vials.



Superior dimensional control, protect your sample needle and instruments.

RSA™ vials are manufactured with the same dimensional tolerances as the AQ™ Brand (Best-in-the-Industry) of vials to meet the most demanding needs of all autosamplers on the market. This includes bottom height control which is critical for Waters™ autosamplers. Compare to HPLC and LCMS certified products on the market.

EXCLUSIVELY BY:

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Not All Vials Are Created Equally



Prevent pH Changes in the Vial

Beware of borosilicate glass.



Great for Bio Active Compounds

Prevent hydrolysis in the vial.



Minimize Sample Adsorption

Insure quantitation precision run to run.



Prevent Adducts Seen in LCMS from the Vials



Cleanest Vials on the Market

Prevent spurious peaks from glass.










Superior Dimensional Control








Protect your sample needle and instruments.







SNAP TOP VIALS & CAPS

2mL	2mL	1.8mL	1.2mL	300ul	Silicone Rubber with PTFE Septa
					
9509C-WCV-RS	9509C-WAV-RS	9512C-OCV-RS	9512C-OCV-T-RS	9532C-OCV-RS	9509C-10CB
					
					9509C-30CB

SCREW TOP VIALS & CAPS

2mL	2mL	2mL	1.8mL	1.8mL	Silicone Rubber with PTFE Septa
					
9509S-WCV-RS	9509S-WAV-RS	9509S-OCV-RS	9512S-OCV-RS	9512S-OAV-RS	9509S-10C-B
					
					9509S-30C-B

1.2mL	300ul	300ul	300ul
			
9512S-OCV-T-RS	9532S-WCV-WT-RS	9532S-OCV-RS	9532S-OAV-RS

AUTOSAMPLER
VIALS • CAPS • INSERTS • RACKS

EASY PURCHASE PACKS: COMBINATION KITS



RSA™-Reduced Surface Activity Autosampler Vials

BEST-IN-CLASS

ORDERING INFORMATION: VIALS AND CAPS

SNAP TOP VIALS

ITEM CODE	DESCRIPTION
9509C-WCV-RS	Vials, 2ml, snap/crimp top, clear RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9509C-WAV-RS	Vials, 2ml, snap/crimp top, amber RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9512C-OCV-RS	Vials, 1.8ml, Maximum Recovery, snap top, clear RSA™ glass (12x32mm) RSA™ Brand. 100/pack
9512C-OCV-T-RS	Vials, 1.2ml, MRQ, snap top, clear RSA™ glass (12x32mm) RSA™ Brand. 100/Pack
9532C-OCV-RS	Vials, 300ul, fused insert, snap top, clear RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack

SNAP CAPS

ITEM CODE	DESCRIPTION
9509C-10CB	Caps, light blue, snap top, fitted clear ultra pure Silicone/PTFE septa. AQR™ Brand. 100/pack
9509C-30CB	Caps, light blue, snap top, pre-slit fitted clear ultra pure Silicone/PTFE septa. AQR™ Brand. 100/pack

SCREW TOP VIALS

ITEM CODE	DESCRIPTION
9509S-WCV-RS	Vials, 2ml, 9-425mm screw top, clear RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9509S-WAV-RS	Vials, 2ml, 9-425mm screw top, amber RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9509S-OCV-RS	Vials, 2ml, 9-425mm screw top, clear RSA™ glass (12x32mm) RSA™ Brand. 100/pack
9512S-OCV-RS	Vials, 1.8ml, Maximum Recovery, 9-425mm screw top, clear RSA™ glass (12x32mm) RSA™ Brand. 100/pack
9512S-OAV-RS	Vials, 1.8ml, Maximum Recovery, 9-425mm screw top, amber RSA™ glass (12x32mm) RSA™ Brand. 100/pack
9512S-OCV-T-RS	Vials, 1.2ml, MRQ, 9-425mm screw top, clear RSA™ glass (12x32mm) RSA™ Brand. 100/pack
9532S-WCV-WT-RS	Vials, 300ul, wide tip fused insert, 9-425mm screw top, clear RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9532S-OCV-RS	Vials, 300ul, fused insert, 9-425mm screw top, clear RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack
9532S-OAV-RS	Vials, 300ul, fused insert, 9-425mm screw top, amber RSA™ glass with write on patch (12x32mm) RSA™ Brand. 100/pack

SCREW CAPS

ITEM CODE	DESCRIPTION
9509S-10C-B	Caps, light blue, 9-425mm screw thread, fitted clear ultra pure Silicone/PTFE septa. AQR™ Brand. 100/pack
9509S-30C-B	Caps, light blue, 9-425mm screw thread, pre-slit fitted clear ultra pure Silicone/PTFE septa. AQR™ Brand. 100/pack

EXCLUSIVELY BY:



RSA™-Reduced Surface Activity Easy Purchase Packs

BEST-IN-CLASS

ORDERING INFORMATION: COMBINATION KITS

Easy Purchase Packs (EPP) are combination kits of 100 vials and 100 caps for convenient inventory and ordering. The item code is ordering information you need. The orange tinted area describes the vial in the kit while the blue tinted area describes the cap style and septa.

EASY PURCHASE PACKS

ITEM CODE	VIAL	VOLUME	COLOR	CAP	CAP STYLE	SEPTA
9509C-1WCP-RS	9509C-WCV-RS	2ml	Clear	9509C-10CB	Snap	Non-Slit
9509C-3WCP-RS	9509C-WCV-RS	2ml	Clear	9509C-30CB	Snap	Pre-Slit
9509C-1WAP-RS	9509C-WAV-RS	2ml	Amber	9509C-10CB	Snap	Non-Slit
9509C-3WAP-RS	9509C-WAV-RS	2ml	Amber	9509C-30CB	Snap	Pre-Slit
9509S-1WCP-RS	9509S-WCV-RS	2ml	Clear	9509S-10C-B	Screw	Non-Slit
9509S-3WCP-RS	9509S-WCV-RS	2ml	Clear	9509S-30C-B	Screw	Pre-Slit
9509S-1WAP-RS	9509S-WAV-RS	2ml	Amber	9509S-10C-B	Screw	Non-Slit
9509S-3WAP-RS	9509S-WAV-RS	2ml	Amber	9509S-30C-B	Screw	Pre-Slit
9509S-1CP-RS	9509S-OCV-RS	2ml	Clear	9509S-10C-B	Screw	Non-Slit
9509S-3CP-RS	9509S-OCV-RS	2ml	Clear	9509S-30C-B	Screw	Pre-Slit
9512C-1CP-RS	9512C-OCV-RS	1.8ml	Clear	9509C-10CB	Snap	Non-Slit
9512C-3CP-RS	9512C-OCV-RS	1.8ml	Clear	9509C-30CB	Snap	Pre-Slit
9512S-1CP-RS	9512S-OCV-RS	1.8ml	Clear	9509S-10C-B	Screw	Non-Slit
9512S-3CP-RS	9512S-OCV-RS	1.8ml	Clear	9509S-30C-B	Screw	Pre-Slit
9512S-1AP-RS	9512S-OAV-RS	1.8ml	Amber	9509S-10C-B	Screw	Non-Slit
9512S-3AP-RS	9512S-OAV-RS	1.8ml	Amber	9509S-30C-B	Screw	Pre-Slit
9512S-1MP-RS	9512S-OCV-T-RS	1.2ml	Clear	9509S-10C-B	Screw	Non-Slit
9512S-3MP-RS	9512S-OCV-T-RS	1.2ml	Clear	9509S-30C-B	Screw	Pre-Slit
9532C-1CP-RS	9532C-OCV-RS	300ul	Clear	9509C-10CB	Snap	Non-Slit
9532C-3CP-RS	9532C-OCV-RS	300ul	Clear	9509C-30CB	Snap	Pre-Slit
9532S-1CP-RS	9532S-OCV-RS	300ul	Clear	9509S-10C-B	Screw	Non-Slit
9532S-3CP-RS	9532S-OCV-RS	300ul	Clear	9509S-30C-B	Screw	Pre-Slit
9532S-1CP-WT-RS	9532S-WCV-WT-RS	300ul	Clear	9509S-10C-B	Screw	Non-Slit
9532S-3CP-WT-RS	9532S-WCV-WT-RS	300ul	Clear	9509S-30C-B	Screw	Pre-Slit

Other combinations may be available, please inquire.

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