

## RSA™ - Reduced Surface Activity Glass Vials

- Detect low abundance analytes normally adsorbed by glass
- Prevent pH changes in vials before injection
- Prevent sample hydrolysis that can occur in vials
- Excellent choice for LC, LC-MS, GC and GC-MS

RSA™ (Reduced Surface Activity) glass autosampler vials supplied by MicroSolv Technology Corporation, have been specially developed for working with low abundance analytes. They have a reduced surface activity for basic compounds due to the elimination of the 'silicate layer' that results during the manufacturing process of normal glass vials and the reduction of surface metals often present in normal vials. RSA autosampler vials and inserts are not manufactured with coatings, but the significant reduction of silanols on the glass surface makes them an excellent choice for more demanding assays including LC-MS and GC-MS applications.

With standard borosilicate glass vials and inserts, aqueous sample diluents can deprotonate the surface hydroxyls, resulting in acidic silanols which can cause adsorption of basic compounds or change the sample solution pH, making them undetectable. With RSA glass vials and inserts there is virtually no loss of sample to the vial and no pH shifting, making analyses more reliable and reproducible.

RSA glass vials and inserts are ideal for all chromatography applications, but particularly for analysing low abundance basic samples and highly sensitive compounds, where ordinary glass vials would give poor results.

### Ordering Information

#### Inserts and Vials – RSA AQ™ (Advanced Quality) Brand (100/pack)

Description	Catalogue No.	Price
Inserts, 29 x 6mm, 200µl, with attached plastic springs	9502S-02N-RS	
2ml vials, clear 9mm screw top with write-on patch	9509S-WCV-RS	
2ml vials, amber 9mm screw top with write-on patch	9509S-WAV-RS	
1.5ml vials, clear, Max Recovery, centre draining snap top	9512C-0CV-RS	
1.5ml vials, clear, Max Recovery, centre draining 9mm screw top	9512S-0CV-RS	
1.2ml, MRQ™ vials snap top, clear	9512C-0CV-T-RS	
1.2ml, MRQ™ vials 9mm screw top, clear	9512S-0CV-T-RS	
Vials with 300µl fused insert, snap top, clear	9532C-0CV-RS	
Vials with 300µl fused insert, 9mm screw top, clear	9532S-0CV-RS	

#### Screw Caps for RSA Vials – AQ™ Brand

Description	Catalogue No.	Price
Caps, light blue with fitted ultra pure silicone/PTFE septa, 100/pack	9509S-10C-B	
Caps, light blue with fitted ultra pure silicone/PTFE septa, 1000/case	9509S-10C-B-M	
Caps, light blue with preslit fitted ultra pure silicone/PTFE septa, 100/pack	9509S-30C-B	
Caps, light blue with preslit fitted ultra pure silicone/PTFE septa, 1000/case	9509S-30C-B-M	

#### Snap Caps for RSA Vials – MicroSolv Brand

Description	Catalogue No.	Price
Caps, blue with silicone/PTFE septa, 100/pack	9502C-10CB	
Caps, blue with silicone/PTFE septa, 1000/case	9502C-10CB-M	
Caps, blue with preslit silicone/PTFE septa, 100/pack	9502C-30CB	
Caps, blue with preslit silicone/PTFE septa, 1000/case	9502C-30CB-M	

#### Easy Purchase Packs – RSA AQ™ Brand (100/pack)

Description	Catalogue No.	Price
2ml amber write-on vials and light blue AQR screw caps with silicone/PTFE septa	9509S-1WAP-RS	
2ml clear write-on vials and light blue AQR screw caps with silicone/PTFE septa	9509S-1WCP-RS	
2ml amber write-on vials and light blue AQR screw caps with preslit silicone/PTFE septa	9509S-3WAP-RS	
2ml clear write-on vials and light blue AQR screw caps with preslit silicone/PTFE septa	9509S-3WCP-RS	
1.2ml clear MRQ™ vials and blue snap caps with silicone/PTFE septa	9512C-1MP-RS	
1.2ml clear MRQ™ vials and blue snap caps with preslit silicone/PTFE septa	9512C-3MP-RS	
300µl fused insert vials and light blue AQR screw caps with silicone/PTFE septa	9532S-1CP-RS	
300µl fused insert vials and light blue AQR screw caps with preslit silicone/PTFE septa	9532S-3CP-RS	
1.5ml Max Recovery Vials, clear and light blue AQR screw caps with silicone/PTFE septa	9512S-1CP-RS	
1.5ml Max Recovery Vials, clear and light blue AQR screw caps with preslit silicone/PTFE septa	9512S-3CP-RS	
1.2ml MRQ™ Vials, clear and light blue AQR screw caps with silicone/PTFE septa	9512S-1MP-RS	
1.2ml MRQ™ Vials, clear and light blue AQR screw caps with preslit silicone/PTFE septa	9512S-3MP-RS	



9512C-0CV-RS



9502S-02N-RS



9532S-0CV-RS



9512C-0CV-T-RS



9512S-0CV-T-RS



9509S-WCV-RS



9512S-0CV-RS



9532C-0CV-RS



9509S-WAV-RS

Please contact Hichrom for details of additional MicroSolv RSA AQ vials, caps and inserts not listed above.