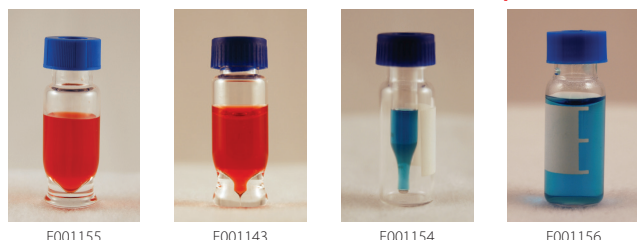


# Low Adsorption Vials

## Four Styles of LA Vials: Center Drain™, MRQ30, QSertVial™ and Standard Autosampler Vial



### Features and Benefits

- Maintains sample integrity during storage
- Minimizes pH shifts in the sample
- Reduces metal contamination in the sample
- Compatible with most autosamplers

Supelco's Low Adsorption (LA) vials are manufactured using a process that decreases the number of hydroxyl groups on the vial's glass surface, significantly reducing surface activity while improving analytical quantitation and minimizing pH shifts in the sample. This same process also removes unwanted surface metals such as sodium and boron that can contaminate samples and interfere with trace analysis. Unlike other methods used to decrease vial surface activity, the elimination of surface activity in LA vials is integral to the manufacturing process and is not a chemical surface treatment.

Our study of samples containing trace levels of basic, acidic and neutral compounds stored in an LA vial product versus three other national brands found the LA vial to be of particular benefit when working with small, polar amine compounds (see Table 1).

**Table 1.** Percent Loss of Compounds After 4 Hours

	LA -2 mL	LA-MRQ	Brand A	Brand B	Brand C
Chlorhexidine*	1.4	0	26.4	49.3	29.3
Chlorpheniramine	2.1	1	14.1	18	12
Ibuprofen	< 5	< 5	< 5	< 5	< 5
Acenaphthene	< 2	< 2	< 2	< 2	< 2

\*Analyte concentration @ 5 µg/mL, except acenaphthene which was < 100 ppb

Supelco's LA vials are manufactured from Type 1 borosilicate glass and are offered in four styles: Center Drain (CD), MRQ30, QSertVial and a standard 12 x 32 mm autosampler vial. These low adsorption CD, MRQ30 and QSertVial products now offer the benefit of maximum sample extraction without the worry of trace analytes being adsorbed by the vial surface.

## Featured Products

Description	Cat. No.
<b>CD (Center Draining) Vial Kits</b>	
<i>Kits include 100 each of vial, cap, and septa</i>	
Clear glass vial, 1.5 mL, PTFE/silicone septa	29655-U
Clear glass vial, 1.5 mL, PTFE/silicone septa with slit	29656-U
<b>MRQ30 Vial Kits</b>	
<i>Kits include 100 each of vial, cap, and septa</i>	
Clear glass vial, 1.2 mL, PTFE/silicone septa	29658-U
Clear glass vial, 1.2 mL, PTFE/silicone septa with slit	29659-U
<b>QSertVial (0.3 mL) Vial Kits</b>	
<i>Kits include 100 each of vial, cap, and septa</i>	
Clear glass, natural PTFE/silicone septa	29661-U
Clear glass, natural PTFE/silicone septa with slit	29662-U
Amber glass vial, natural PTFE/silicone septa	29663-U
Amber glass vial, natural PTFE/silicone septa with slit	29664-U
<b>Standard 2 mL (12 x 32 mm) Vial Kits</b>	
<i>Kits include 100 each of vial, cap, and septa</i>	
Clear glass vial with marking spot, natural PTFE/silicone septa	29651-U
Clear glass vial with marking spot, natural PTFE/silicone septa with slit	29652-U
Amber glass vial with marking spot, natural PTFE/silicone septa	29653-U
Amber glass vial with marking spot, natural PTFE/silicone septa with slit	29654-U
<b>Mass Spec Quality (MSQ) Caps with Septa</b>	
Caps with septa, 9 mm, natural PTFE/silicone	29665-U
Caps with septa, 9 mm, natural PTFE/silicone with slit	29666-U

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