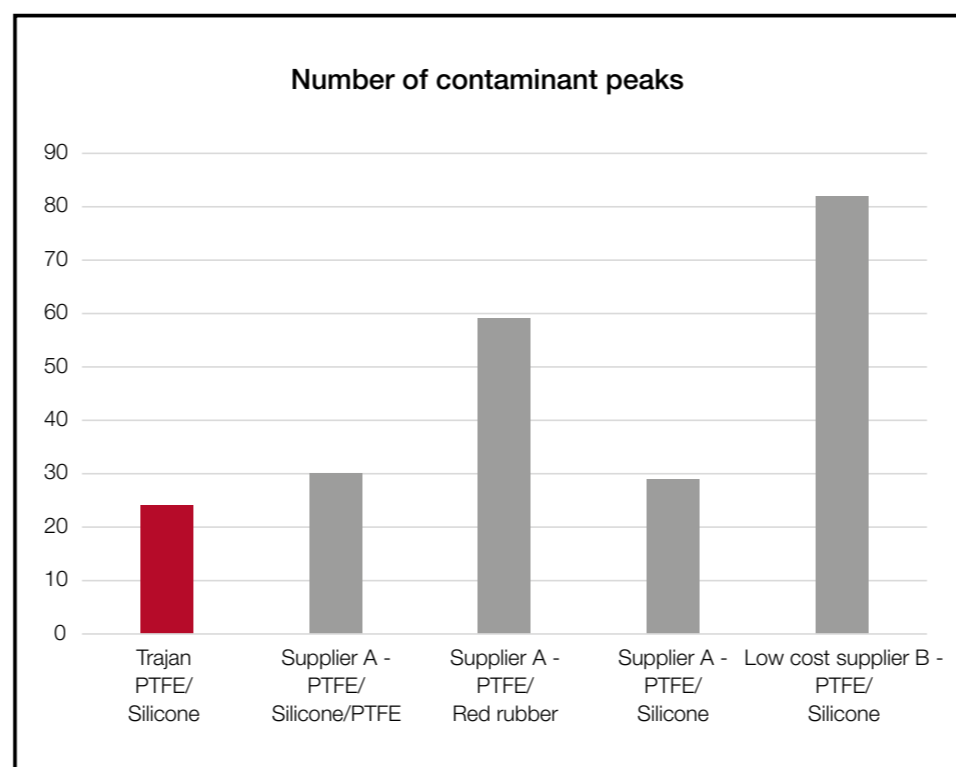


For users of chromatographic data, maintaining integrity of the analytical results from collection to analysis is of the utmost importance. Too often unintended contaminants are introduced thus biasing analytical results. Contamination from septa can be one source of data biasing. Trajan has always manufactured septa using a platinum curing process, which is the highest quality process in the manufacture of chromatography septa.



In a recent study with septa from one of the largest providers of chromatography septa and a low-cost provider, Trajan septa outperformed each of the septa.

Utilizing an Agilent 1290 LC coupled with a 6545 QTOF, 2mL of 90:10 acetonitrile/water were placed into a vial and sealed with caps and 5 different septa. Analysis of the solvent mix was then analyzed and then observed for any peaks that exceeded a minimum peak height criterion.



The results show that the platinum cured Trajan PTFE/Silicone septa was the purist amongst the group.

The potential impact to human well-being of any chromatographic analysis is too great to not utilize the highest quality, most pure workflow components available. Trajan has exacting manufacturing criteria on its platinum-cured autosampler septa to ensure the purity of your analytical results is maintained.

Cap/septum combinations\*

Cap color	Cap material	Septa	Slit	Thickness	Pack size	Part number
<b>8 mm smooth screw cap</b>						
Black	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J208-1201193100
Black	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	1000	J208-1201193101
Black	Polypropylene	White Silicone/Red PTFE	Straight	1.0 mm	100	J208-1211193100
Black	Polypropylene	White Silicone/Red PTFE	Straight	1.0 mm	1000	J208-1211193101
<b>9 mm smooth screw cap</b>						
Blue	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-1401193100
Black	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-1201493100
Red	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-1301193100
Green	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-1701193100
Yellow	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-1601193100
<b>9 mm ribbed screw cap</b>						
Blue	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-2401193100
Black	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-2201193100
Red	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-2301193100
Green	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-2701193100
Yellow	Polypropylene	White Silicone/Red PTFE	None	1.0 mm	100	J209-2601193100
Blue	Polypropylene	White Silicone/Blue PTFE	None	1.0 mm	100	J209-2401194100
Blue	Polypropylene	White Silicone/Blue PTFE	Straight	1.0 mm	100	J209-2411194100
Black	Polypropylene	White Silicone/Blue PTFE	Straight	1.0 mm	100	J209-2211194100
Blue	Polypropylene	White Silicone/Blue PTFE	Cross	1.0 mm	100	J209-2431194100
Blue	Polypropylene	White Silicone/Tan PTFE	None	1.0 mm	100	J209-2401195100
Blue	Polypropylene	White Silicone/Tan PTFE	Straight	1.0 mm	100	J209-2411195100
<b>10 mm smooth screw cap</b>						
Black	Polypropylene	White Silicone/Tan PTFE	None	1.5 mm	1000	J210-1201195151
Blue	Polypropylene	White Silicone/Tan PTFE	Cross	1.5 mm	1000	J210-1431195151
Black	Polypropylene	White Silicone/Tan PTFE	Cross	1.5 mm	1000	J210-1231195151
<b>11 mm smooth snap cap</b>						
Blue	Polyethylene	White Silicone/Red PTFE	None	1.0 mm	100	J211-5401193100
Red	Polyethylene	White Silicone/Red PTFE	None	1.0 mm	100	J211-5301193100
Green	Polyethylene	White Silicone/Red PTFE	None	1.0 mm	100	J211-5701193100
Yellow	Polyethylene	White Silicone/Red PTFE	None	1.0 mm	100	J211-5601193100
Clear	Polyethylene	White Silicone/Red PTFE	None	1.0 mm	100	J211-5001193100
Blue	Polyethylene	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-5231193100
Black	Polyethylene	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-5431193100
Red	Polyethylene	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-5331193100
Green	Polyethylene	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-5731193100
Yellow	Polyethylene	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-5631193100
Blue	Polyethylene	White Silicone/Blue PTFE	Cross	1.0 mm	100	J211-5431194100
Clear	Polyethylene	White Silicone/Blue PTFE	Cross	1.0 mm	100	J211-5031194100
<b>11 mm smooth crimp cap</b>						
Silver	Aluminum	White Silicone/Tan PTFE	Straight	1.0 mm	100	J211-4811193100
Gold	Aluminum	White Silicone/Red PTFE	Cross	1.0 mm	100	J211-4901193100
Silver	Aluminum	White Silicone/Red PTFE	None	1.0 mm	1000	J211-4831193101
<b>13 mm smooth screw cap</b>						
Black	Polypropylene	White Silicone/Red PTFE	None	1.3 mm	100	J213-3201193130
White	Polypropylene	White Silicone/Red PTFE	None	1.3 mm	100	J213-3101193130
White	Polypropylene	White Silicone/Blue PTFE	Cross	1.3 mm	1000	J213-1131194151
<b>20 mm magnetic crimp cap</b>						
Blue	Bimetallic	White Silicone/Tan PTFE	None	3.0 mm	100	J220-7401195300
Red	Bimetallic	White Silicone/Tan PTFE	None	3.0 mm	100	J220-7301195300
Green	Bimetallic	White Silicone/Tan PTFE	None	3.0 mm	100	J220-7701195300
Silver	Bimetallic	White Silicone/Tan PTFE	None	3.0 mm	100	J220-4801195300
Gold	Bimetallic	White Silicone/Tan PTFE	None	3.0 mm	100	J220-4901195300

\*Cap/septum combinations not listed above may be available on request.

