

Gas Chromatography

Key Features:

- Select from a range of GC septa with varying properties limits
- Non-stick coating ensures no adhesion of the septa to the GC inlet
- Pre-conditioned septa, ready to use
- The CenterGuide design facilitates needle penetration to the same point with every injection, for easy and rugged operation
- Pre-pierced BTO septa provide long autosampler injection life
- Stay clean surface does not attract dust
- Compatible with all GC instruments

GC Inlet Septa Portfolio

Injector septa used in Gas Chromatography provide a critical role in maintaining system isolation but allowing the sample to be introduced onto the column in a Quantitative manor. Since the injector septa provide the seal between the inner workings of the injector and the laboratory environment, it must have several desirable characteristics. For best performance the septa should be inert, low off-gassing of silicone oligomers, soft enough to avoid bending the needle and reseal after injection and resistant to coring by the syringe.

We offer a range of inert septa, suited to different application needs. The BTO (orange) septa offer the ultimate in inertness and are ideally suited to GC/MS applications and trace analysis. The mid-range advanced green septa combine low inlet adhesion properties with long lifetime and are recommended for GC applications. The blue septa offer a high-performance cost-effective alternative, offering a good level of inertness and are also recommended for GC applications.



Figure 1. GC Inlet Septa Portfolio.

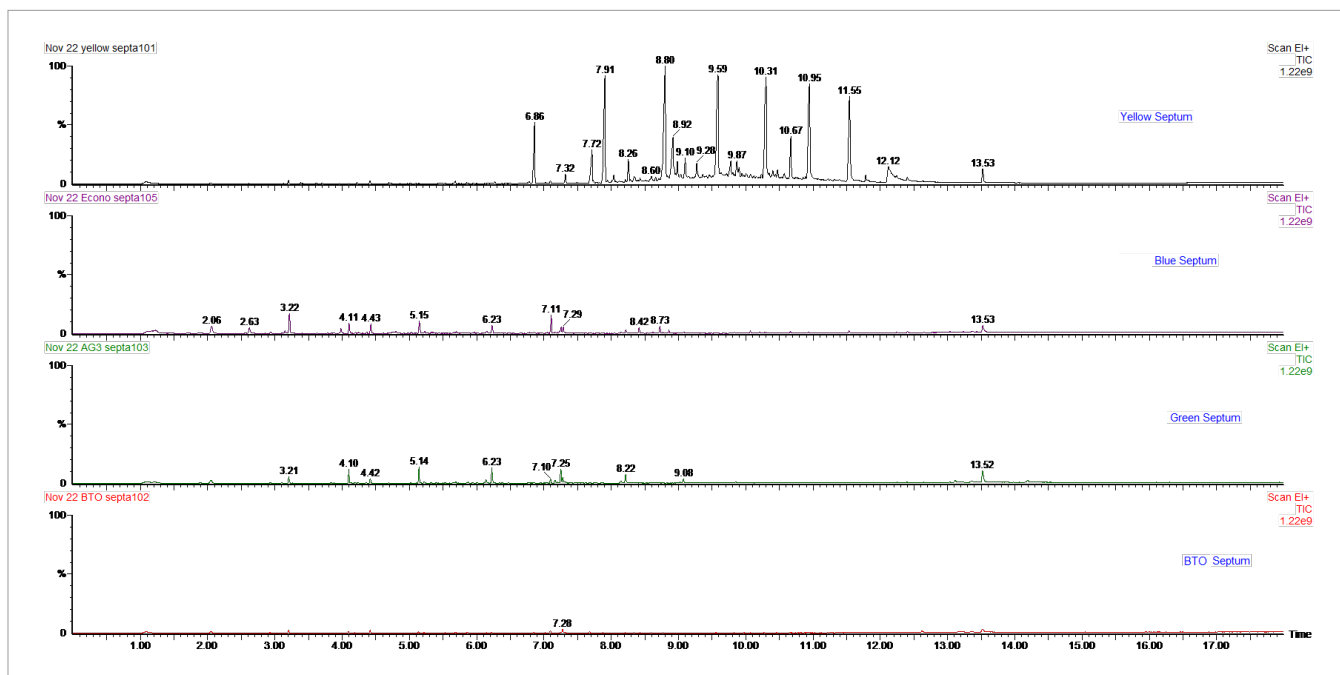


Figure 2. Comparison of septa bleed by TD-GC/MS.

Septa come packed in a glass jar, for high purity. Or select the disc format where septa are located in individual pockets for ease of selection and avoids any risk of cross contamination.

BTO (Orange)

Septa rated to 400 °C. The precision molded silicone rubber septa BTO® (Bleed Temperature Optimized) are premium ultra-low bleed injector septa for today's most demanding applications. The BTO septa are uniquely formulated to extend ultra-low bleed characteristics and outstanding mechanical properties. It retains remarkable softness, even at high temperatures, and has been optimized to reduce injection port adhesion, with the addition of a non-stick coating. The pre-pierced BTO septa also benefit from the CenterGuide design. They have a recess on the injection side to help guide the syringe needle to the same point for every injection. The BTO septa are recommended for GC/MS applications.

Green

Septa rated to 350 °C. The advanced green septa were created to combine significantly longer injection life, low bleed and low injection port adhesion. These septa also benefit from also with the non-stick coating and the CenterGuide design. The result is a mid-range general purpose septum made of uniquely formulated silicone rubber you can use for all your daily analyses.

Blue

Septa rated to 275 °C. The blue septa are designed for routine applications. Employing a soft silicone rubber material and stay clean surface, they are easy to penetrate without a recess. As the blue septa used at lower operating temperatures the non-stick coating is not required to prevent inlet adhesion. They offer a low level of inertness and for routine GC applications providing optimum performance at lower operating temperatures.

Ordering Information

Description	Quantity	Part Number
BTO Orange Injection Port Septa	50	N9302972
BTO Orange Injection Port Septa	10	N9306872
Green Injection Port Septa	50	N9306219
Green Injection Port Septa	10	N9306218
Blue Injection Port Septa	50	N9306873
Blue Injection Port Septa	10	N9306874