

Septums

Injection Port Septum

Description	P/N	Color	Description
Standard type (20 pcs) 	201-35584	White	<ul style="list-style-type: none"> General-purpose septum Maximum temperature (INJ setting temperature): 250 °C
LL Septum (long life type, 20 pcs) 	221-48972-91	Blue	Provides significant durability improvements compared to a conventional low-bleed septum, offering both low bleed and long life. The problem of sticking to the vaporizing chamber during continuous use at high temperatures experienced with a conventional septum has also been eliminated. <ul style="list-style-type: none"> Suitable for high-sensitivity analysis Maximum temperature (INJ setting temperature): 450°C
HT Septum (high temp type, 20 pcs) 	221-48398-91	Brown	Using this septum alleviates the problem of reduced durability when the vaporizing chamber is used continuously at 450°C. Compared to the LL septum, the increase in bleed when used at high temperatures is kept at a lower level. The problem of sticking to the vaporizing chamber during continuous use at high temperatures experienced with a conventional septum has also been eliminated. <ul style="list-style-type: none"> Suitable for high-sensitivity analysis at high temperatures Maximum temperature (INJ setting temperature): 450°C
Low-bleed Septum (25 pcs) 	221-76650-01	Green	This septum is least influenced by a plasticizer. Better prevents septum coring & <ul style="list-style-type: none"> Low-bleed, suitable for high-sensitivity analysis Maximum temperature (INJ setting temperature): 340°C
Enduro Blue Septum (50 pcs) 	221-75180	Light Blue	<ul style="list-style-type: none"> Low-bleed, suitable for high-sensitivity analysis at high temperatures Maximum temperature (INJ setting temperature): 350°C
Premium Green Septa (50 pcs) 	227-35004-01	Light green	<ul style="list-style-type: none"> Low bleed, highly robust (max. usable temp. 350°C) High durability, proper sealing and good resistance to most chemical solvents. Useful for trace analysis and other applications where high sensitivity is critical
Perforated septum for HS-10 	221-76863-96	White	<ul style="list-style-type: none"> For HS-10 only To ensure cleanliness and inertness Maximum temperature (INJ setting temperature): 250 °C

Low-bleed septum is not completely free of bleeding. The type of bleeding that occurs varies with the septum, and results in different patterns on chromatograms. In the case of high-sensitivity analysis, it is necessary to select a septum whose bleeding will not occur at a point that interferes with the peak of the target compound. Conditioning for several hours between 200°C and 250°C after extraction with hexane may help to reduce bleeding.

In the case of using a syringe for AOC, it is recommended to exchange the septum after about 100 injections. If the outside diameter of a needle of a gastight syringe is thick, it is recommended to exchange after about 50 injections.