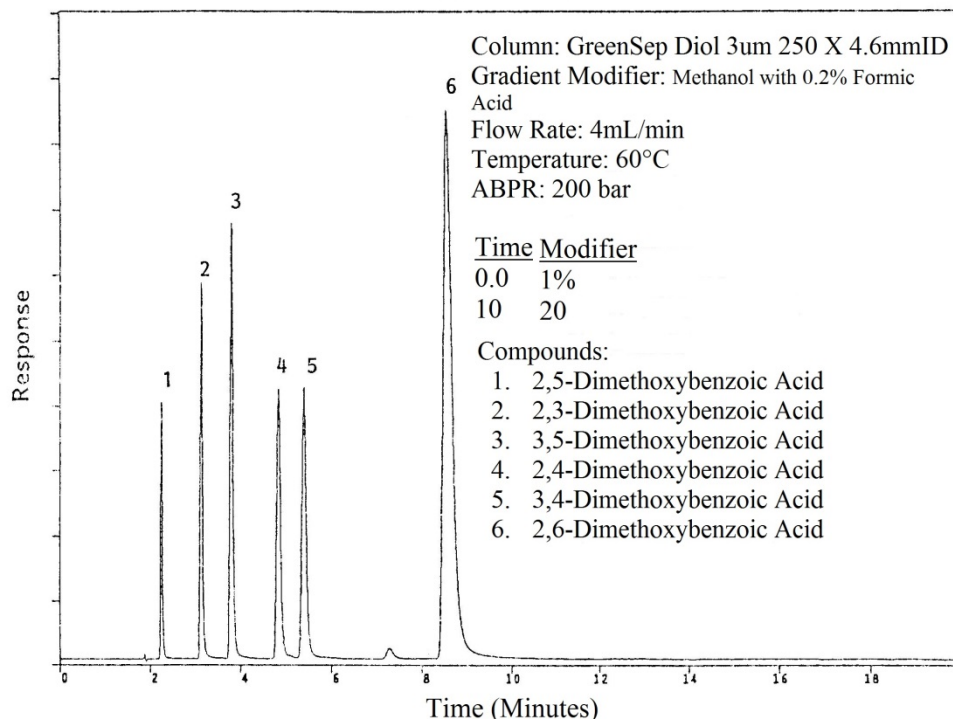


APPLICATION NEWS

GreenSep™ Diol 3 micron SFC Columns

GreenSep™ Diol – Supercritical fluid chromatography (SFC) is a powerful chromatographic technique for the separation of complex mixtures. It has been useful in the areas of preparative chromatography and rapid analysis chromatography. Many SFC separations have been forced to utilize older types of stationary phases from “normal phase” HPLC such as unmodified silica, amino and cyano. These phases are poorly adapted to SFC and present a number of limitations for SFC separations. Limitations include: low capacity, poor selectivity, and poor peak shape for SFC separations.

At ES Industries we have developed a new line stationary phases specifically engineered for SFC separations, one of these phases is GreenSep Diol 3um. This stationary phase has proven superior to conventional stationary phases (such as cyano, etc...) in the areas of separation selectivity, peak shape and loading capacity. GreenSep Diol is a specialty phase designed for SFC with a high density Diol surface coverage which ensures separations better and more reproducible than conventional unbonded silica. GreenSep Diol is particularly suitable for acidic and basic analytes. The chromatogram shown below is a prime example of the superior separation performance and separation capacity obtainable with the GreenSep Diol column with SFC. GreenSep Diol offers the chromatographer greater flexibility in developing separations. GreenSep Diol is the SFC column ideally suited for the retention and rapid separation of chemicals containing a wide variety of functional groups. GreenSep Diol can easily replace conventional stationary phases used in SFC and deliver superior performance.



GreenSep™ Diol 3u 120A				
	<u>4.6mm (ID)</u>	<u>4.0mm (ID)</u>	<u>3.2mm (ID)</u>	<u>2.1mm (ID)</u>
5cm	115191-GS-D	114191-GS-D	11d191-GS-D	112191-GS-D
10cm	125191-GS-D	124191-GS-D	12d191-GS-D	122191-GS-D
15cm	135191-GS-D	134191-GS-D	13d191-GS-D	132191-GS-D
25cm	155191-GS-D	154191-GS-D	15d191-GS-D	152191-GS-D

GreenSep™ Diol 5u 120A				
	<u>4.6mm (ID)</u>	<u>4.0mm (ID)</u>	<u>3.2mm (ID)</u>	<u>2.1mm (ID)</u>
5cm	115291-GS-D	114291-GS-D	11d291-GS-D	112291-GS-D
10cm	125291-GS-D	124291-GS-D	12d291-GS-D	122291-GS-D
15cm	135291-GS-D	134291-GS-D	13d291-GS-D	132291-GS-D
25cm	155291-GS-D	154291-GS-D	15d291-GS-D	152291-GS-D

GreenSep™ Diol 10u 120A				
	<u>4.6mm (ID)</u>	<u>4.0mm (ID)</u>	<u>3.2mm (ID)</u>	<u>2.1mm (ID)</u>
10cm	125391-GS-D	124391-GS-D	12d391-GS-D	122391-GS-D
15cm	135391-GS-D	134391-GS-D	13d391-GS-D	132391-GS-D
25cm	155391-GS-D	154391-GS-D	15d391-GS-D	152391-GS-D
30cm	165391-GS-D	164391-GS-D	16d391-GS-D	162391-GS-D
