

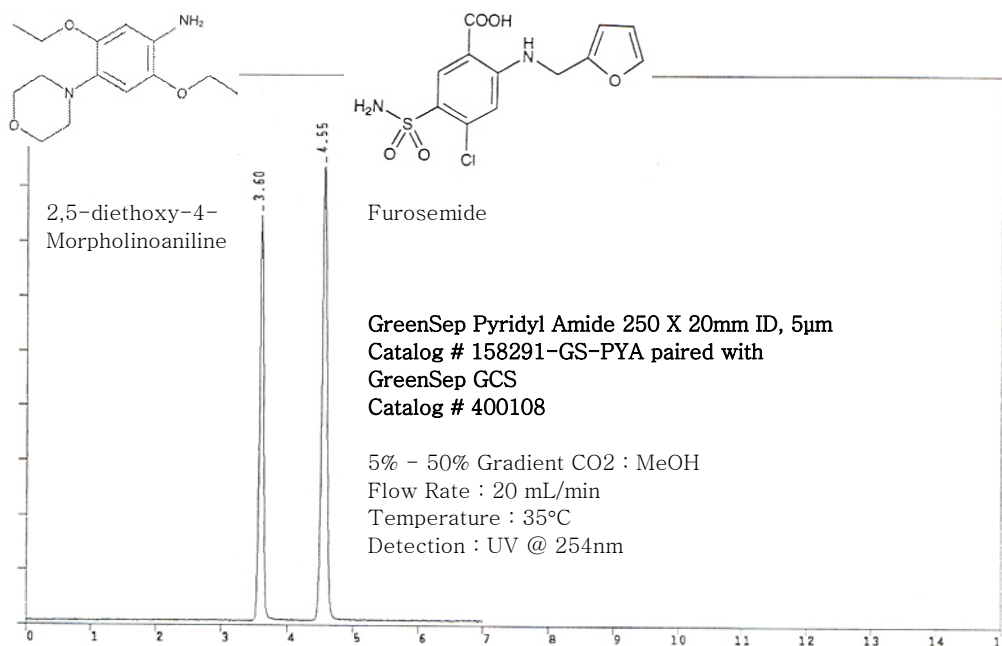
APPLICATION NEWS

GreenSep™ SFC Guard Column System

GreenSep GCS

SFC is a powerful separation technique particular in the area of preparative chromatography where the rapid isolation of purified compounds is possible. However, as many preparative separations samples may contain insoluble or extraneous materials. These materials can affect the chromatographic performance of costly high performance SFC preparative columns. In some extreme cases these materials may permanently damage the preparative column. In order to protect these columns we have developed a new guard column system – GreenSep GCS. GreenSep GCS is a new guard column system developed specifically for use with preparative SFC columns.

The GreenSep GCS employs hardware specifically designed for SFC chromatography and is packaged with a high performance coupler for attachment to the SFC chromatographic column. GreenSep GCS is packed with highly deactivated high performance silica particles and is designed to maintain the chromatographic integrity of the system. A chromatogram using a GreenSep GCS with a GreenSep Pyridyl Amide preparative column is shown below. The peaks in the chromatogram are unaffected by the high performance GreenSep GCS guard column.



GreenSep GCS is designed in four sizes depending on the diameter of the preparative column which is being used and it is packaged with a matching column coupler.

Catalog # 400107	GreenSep GCS Guard Column for use with 10mmID & 15mmID Columns
Catalog # 400108	GreenSep GCS Guard Column for use with 20mmID Column
Catalog # 400109	GreenSep GCS Guard Column for use with 30mmID Column
Catalog # 400110	GreenSep GCS Guard Column for use with 50mmID Column