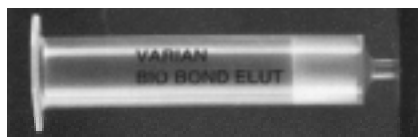


Application Specific SPE Columns



BioBond Elut

- **Fast and simple desalting method for oligonucleotides with higher recoveries**
- **No minimum molecular weight limit**

This new way of desalting oligonucleotides through SPE offers a fast, simple desalting method that will deliver higher recoveries, higher purity and less solvent usage than traditional desalting media, all in one simple, pre-packed column. BioBond Elut will desalt <5000 MW oligos with >98% recoveries. And while other desalting media can leave as much as 2% of the original salt concentration remaining in your sample after purification, BioBond Elut is 100% salt free.

The method (M2639) developed by Varian on the BioBond Elut column has been optimized for the extraction of synthetic oligonucleotides from the final deprotection reaction mixture. Recoveries were >90% for a range of 3 mer to 24 mer oligonucleotides and on concentrations up to 5 OD units. The procedure has also been shown to successfully extract oligomers with and without the DMT protecting group. No salt was found in the eluent.

Bond Elut LRC Columns

Cat. No.	Sorbent Mass	Column Volume	Quantity per Unit	Price
1210-2140	200mg	6mL	30/box	
1210-2141	500mg	6mL	30/box	

EnvirElut Pesticide, Herbicide and PAH Columns

The extreme purity and high capacity of the EnvirElut sorbent make it especially suitable for the extraction of a wide range of compounds from aqueous matrices. Every lot of EnvirElut is rigorously tested for retention of environmental pollutants from water samples before it is released for sale. The EnvirElut sorbent is then packed into several different cartridge configurations suitable for each specific environmental analysis. EnvirElut Pesticides and PAH are processed using conventional Vac Elut vacuum manifolds.

Cat. No.	Sorbent Phase	Sorbent Mass	Column Volume	Quantity per Unit	Price
1227-2006	Herbicide	500mg	3mL	50/box	
1227-2004	Pesticide	500mg	6mL	30/box	
1227-2005	PAH	1g	6mL	30/box	
1227-2002	Phenols	5g	20mL	20/box	



Bond Elut Atrazine

The Varian Bond Elut Atrazine column is a specially bonded low-load, high-flow C18 phase. The controlled carbon content of the sorbent was designed to retain atrazine as well as its polar metabolites by a non-polar/polar retention mechanism. The bigger particle size of the sorbent and the diameter of the tube allow fast flow for large volume water samples. And, the large bed mass of the Bond Elut Atrazine phase has been optimized to provide enough capacity to ensure good recovery of Atrazine and its polar metabolites.

With the use of the Bond Elut Atrazine extraction column and optimized method (M2638) in combination with a HPLC diode array-detection system, quantitative recoveries of atrazine and its dealkylated metabolites in surface water have been achieved, even at extremely low concentrations (0.02ppb). These concentration levels are far below the tolerance level specified by the EPA (3ppb) and by those set by the most stringent European agencies (0.1 µg/L and 0.5 µg/L). The extraction and analysis methods are fast, reproducible and require minimal organic solvent consumption.

Cat. No.	Sorbent Mass	Column Volume	Quantity per Unit	Price
1225-6111	3g	20mL	20/box	



Bond Elut PCB

Varian has developed a multi-phase SPE column that has been specifically designed for the extraction of polychlorinated biphenyl (PCB) compounds from transformer oil or organic matrices. The Bond Elut PCB column consists of a charged polar surface packed in an ultra clean 3mL polypropylene tube. With the Bond Elut PCB column and optimized method (M2547), quantitative recoveries of a wide range of PCB compounds have been obtained using a simple procedure that uses one solvent. When the Bond Elut PCB SPE column is used in combination with the CP-Select 28/31 GC capillary column (part number CP-7479), a wide range of PCB compounds, including PCB 28 and 31, can be isolated and resolved in half the time of other SPE and GC procedures.

Cat. No.	Sorbent Mass	Column Volume	Quantity per Unit	Price
1210-5032	1000mg	3mL	50/box	

To Order Call 1-800/822-5242 in MN 952/431-6000