

INSTRUCTION FOR USE OF ALC-525 COLUMN

Remove the screws/plugs from the column and connect the column with the flow arrow aligned in the direction of the eluent flow (towards the detector). Operating limits and shipping solvent are listed on the Certificate of Analysis of the ALC-5 column. Column Equilibration usually requires 10 column volumes of mobile phase.

COLUMN MAINTENANCE

Guard column - The use of a ALC-525 guard column is recommended to prevent contaminants from reaching the analytical column.

Solvent Miscibility - When changing mobile phases always check to ensure the new mobile phase is miscible with that in the column and will not cause a precipitate to form. If they are not miscible use an intermediate solvent and flush for at least 20 column volumes.

Back Pressure - Column back pressure should not exceed 4,000 psi.

Column Regeneration - The recommended column regeneration eluent is listed on the HPLC Column Performance Report.

Column Storage - Short term storage (1-3 days) does not require a special mobile phase. Longer storage (beyond 3 days) should be done using a mobile phase that will inhibit microbial growth. The storage mobile phase listed on the Certificate of Analysis can be used.

Caution - Since the recommended mobile phases have a very high pH, glass reservoirs are not recommended (due to silicate build-up). Furthermore, basic mobile phases readily absorb carbon dioxide (CO₂). CO₂ then forms carbonate ions which reduces the retention of analytes. To prevent CO₂ contamination the mobile phase should be preferably kept under an inert gas atmosphere (He).

WARRANTY STATEMENT

Antec Leyden's Instrument Warranty document (nr 150_0040) is applicable for the above-specified product. No other warranty is assumed or implied. It is the responsibility of the purchaser to determine the suitability of application and material compatibility of the products based on the published specifications of the products.

RETURN OF GOODS

Antec Leyden's return and repair policy is written to protect its employees from potentially hazardous materials (e.g., serum, plasma, radioactive materials, carcinogenic chemicals etc.) or any substance that may cause partial or permanent disability during the inspection or repair process. In returning products, customers acknowledges that the product is free from any hazardous materials. Furthermore, the customers assumes responsibility should the returned goods be determined to be hazardous.