



Agilent MetaCarb 87C
Guard Column
Ca Form
Guard Column Care Information
Part No. A5201

Precautions:

Mobile phase: Use only de-gassed, de-ionized (especially free of metal ions and halides) and bacteria-free (filtered through 0.2 micron membrane) mobile phases. AVOID ORGANIC SOLVENTS. Samples may contain small amounts organic solvents. If there are any questions, please do not hesitate to call for more information.

pH range: 7 (Water)

Pressure limit: Do not exceed the recommended back pressure on the analytical column with the guard column in place. Prolonged high pressure and/or flow rates may cause a void in the guard column polymer bed. Replacement of the Agilent A5201 Guard column may become necessary if the guard column back pressure is too high.

Maximum mobile phase flow rate: Do not exceed recommended analytical column flow rate.



Storage solvent:

Guard columns may be stored in mobile phase overnight. Long term storage is possible at normal laboratory temperatures if guard column end plugs are used correctly. **DO NOT LET THE GUARD COLUMN BED DRY OUT.**

Using the guard column:

Mobile phases: Mobile phase of choice is de-gassed, de-ionized water. Alternately, HPLC grade water is also recommended.

Regeneration procedures:

Guard column contamination: Guard column contamination is characterized by high back pressures. Pump the guard column (inverted) with 10 mL of 0.05 *N* Calcium Disodium EDTA. Severe contamination will require pumping in the back flush mode overnight at 0.5 mL/min. Re-equilibrate the guard column with the mobile phase.

Organic contamination: Use a Guard-disc to prevent contamination. **AVOID THE USE OF ORGANIC MODIFIERS.**

Bacterial growth: No regeneration procedure is available. To prevent bacterial growth, store the guard column in mobile phase and filter samples and mobile phase through 0.2 µm membrane.

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