

General Precautions for Column Handling

For the best performance of the column, please follow the instructions given below.

■ Column mounting

- Before mounting the column, replace the eluent within all the HPLC system with the mobile phase used for the analysis. *If the mobile phase of the choice is not miscible with the eluent already in the system, use solvent that is miscible with both solvents first to clean the system. *Buffer or salt solution may precipitate when mixed with organic solvent of different concentrations.
 - Attach the column in the direction as indicated by arrow marked on the column. Gradually increase the flow rate of the solvent introduced to the column.
 - When heating the column, be sure to pump the eluent at a low flow rate until the specified temperature is reached, and then gradually increase the flow rate up to the requirement after the column has been heated sufficiently.
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■ Column dismounting

- If the column is heated, turn off the heater while keeping the flow rate at 1/3 of the regular flow.
 - Turn off the pump when the column is cooled to room temperature.
 - Remove the column from the system and securely tighten the end caps.
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■ Column storage

- For long-term storage, replace the solvent with shipping solvent and securely tighten the end caps.
 - Store the column in a location with stable temperature.
 - For long-term storage of SEC columns, immersion method is recommended.
*Please refer to the immersion method on the operation manual.
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■ Other

- Avoid physical shock on the column. Be cautious not to drop the column from a high position.
 - Do not bend the column.
 - Avoid opening the column's end-fitting, it can cause alteration of column's performance.
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* Read the operation manual before using the column.