

YMC Chiral Prep CD ST

Column Care and Use Instructions

YMC Chiral Prep CD ST

Column size	: 4.6 mm i.d. x 250 mm length
Particle size	: 10 µm, spherical
Pore size	: 12 nm (120 Å)
Pressure	: Maximum 25 MPa
pH range	: pH 2.0 – pH 7.0
Column temperature	: 20°C – 40°C, maximum 50°C

YMC Chiral Prep CD ST can be used under either normal phase or reversed phase conditions.

① Shipping Solvent

Acetonitrile / Water (40/60)

Important Notice on Solvent Miscibility:

*If the column is going to be used with a solvent system which is **not miscible** with the shipping solvent, please be sure to wash the column with tetrahydrofuran or isopropyl alcohol in advance.*

② Eluent

Organic solvents containing buffers or salts may be used. But, a salt concentration of less than 0.5 M is recommendable.

For reversed phase conditions, water-miscible solvents such as acetonitrile, methanol and ethanol may be used. For normal phase applications, almost all common solvents such as hexane, dichloromethane, tetrahydrofuran and ethanol may be used.

The arrow on the column identification label indicates the right flow direction.

The recommended pH range is 2.0 - 7.0. But, elution at the upper or lower limit pH at a high temperature may shorten the column life.

③ General Recommendations

The maximum operating pressure is 25 MPa (3625psi).

The recommended maximum column temperature is 50°C. The normal operating column temperature range is 20°C – 40°C.

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