TSK-GEL® STAT Series Cation Exchange Products

Part Numbers: 21963, TSKgel SP-STAT, 3mm ID X 3.5cm, $10\mu m$

> 21964, TSKgel SP-STAT, 4.6mmlD x 10cm, 7µm 21965, TSKgel CM-STAT, 3mm ID X 3.5cm, 10µm 21966, TSKgel CM-STAT, 4.6mm ID X 10cm, 7µm

This sheet contains the recommended operating conditions and the specifications for TSK-GEL STAT Series Cation Exchange columns. Installation instructions and column care information are described in a separate Instruction Manual.

OPERATING CONDITIONS

Ion-Exchanged Water 1. Shipping Solvent:

1.0 - 2.0mL/min (P/N 21963)

0.5 – 1.4mL/min (P/N 21964) Standard Flow Rate: 1.0 - 2.0mL/min (P/N 21965)

0.5 - 1.4mL/min (P/N 21966)

When a buffer with high viscosity is used, the maximum flow rate may have to be reduced so as not to exceed the

maximum pressure drop.

10Mpa (P/N 21963)

10Mpa (P/N 21964) 10Mpa (P/N 21965) Max. Pressure:

10Mpa (P/N 21966)

3.0 - 10.0 (pH above 10 can only be used for a short time) pH Range:

Salt Conc.: No Limitation

<50%. When solvent in column is replaced by distilled or ion-exchanged water, feed the solvent slowly, at flow Organic Conc.:

rates <0.5mL/min (SP-STAT and CM-STAT).

7 Temperature: 10 - 60°C.

Adsorbed materials can be stripped from the column by repeated injection with one of the following cleaning Cleaning Solvents:

(1) 0.1mol/L NaOH, or (2) 20 ~ 40% Acetic acid, or

Solution containing aqueous organic solvent such as methanol or acetonitrile, or

(4) Solution containing a solubilizer such as urea and non-ionic surfactants

Short term storage: keep the column filled with low ionic strength eluent.

For long term storage, replace the solvent in the column with distilled or ion-exchanged water, at flow rates

<0.5mL/min (SP-STAT and CM-STAT).

SPECIFICATIONS В.

Storage:

The performance of TSK-GEL SP-STAT and TSK-GEL CM-STAT columns are tested under the conditions described in the Data Sheet. All columns have passed the following quality control specifications:

≥ 200 (P/N 21963)

Number of Theoretical Plates ≥ 200 (PN 21964) (N):

≥ 200 (PN 21965) ≥ 2,000 (PN 21966)

0.8 - 1.8 (P/N 21963)

0.8 - 1.8 (PN 21964) 2. Asymmetry Factor (AF):

0.8 - 1.8 (PN 21965)

1.0 - 2.0 (PN 21966)

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