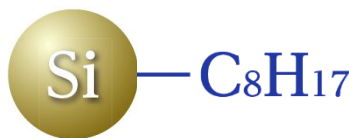


InertSustainSwift C8 is an octyl group (C8) bonded column offering the same extreme inertness to any type of compounds just like InertSustainSwift C18, which is ideal for analyzing low polarity analytes. In addition, the optimized 200 Å pore size silica enables to analyze and retain peptides and oligonucleotides which have a molecular weight from several kDa to several dozen kDa.

Physical Properties

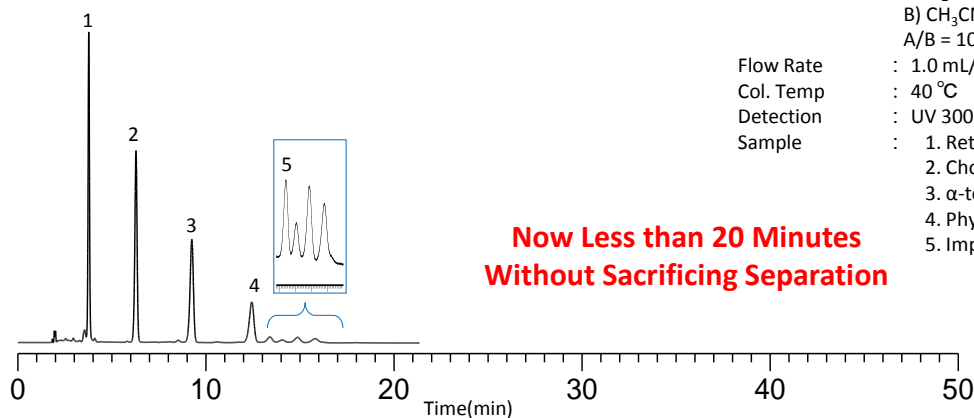
- Silica : ES (Evolved Surface) Silica Gel
- Particle Size : 1.9 μm, 3 μm, 5 μm
- Surface Area : 200 m²/g
- Pore Size : 200 Å (20 nm)
- Pore Volume : 1.00 mL/g
- Bonded Phase : Octyl Groups
- End-capping : Complete
- Carbon Loading : 6 %
- pH Range : 1~10
- USP Code : L7



Fat-Soluble Vitamins

InertSustainSwift C8 offer rapid elution of samples and ideal to make samples or impurities to elute rapidly when observing them not to be eluted fast enough even under organic solvent rich mobile phases.

InertSustainSwift C8



Conditions

- Column Size : 5 μm 150 × 4.6mm I.D.
- Eluent : A) H₂O
B) CH₃CN
A/B = 10/90,v/v
- Flow Rate : 1.0 mL/min
- Col. Temp : 40 °C
- Detection : UV 300 nm
- Sample : 1. Retinol (Vitamin A)
2. Cholecalciferol (Vitamin D₃)
3. α-tocopherol (Vitamin E)
4. Phylloquinone (Vitamin K₁)
5. Impurities of 1

**Now Less than 20 Minutes
Without Sacrificing Separation**

InertSustain C8

Total Analysis Time 45 minutes

