

11. Columns for Soluble Carbon Nanotube Separation

COSMOSIL CNT-300, CNT-1000, CNT-2000

- Size-based separation of soluble carbon nanotubes
- Three types of pore size (300 Å, 1000 Å, 2000 Å)
- High durability

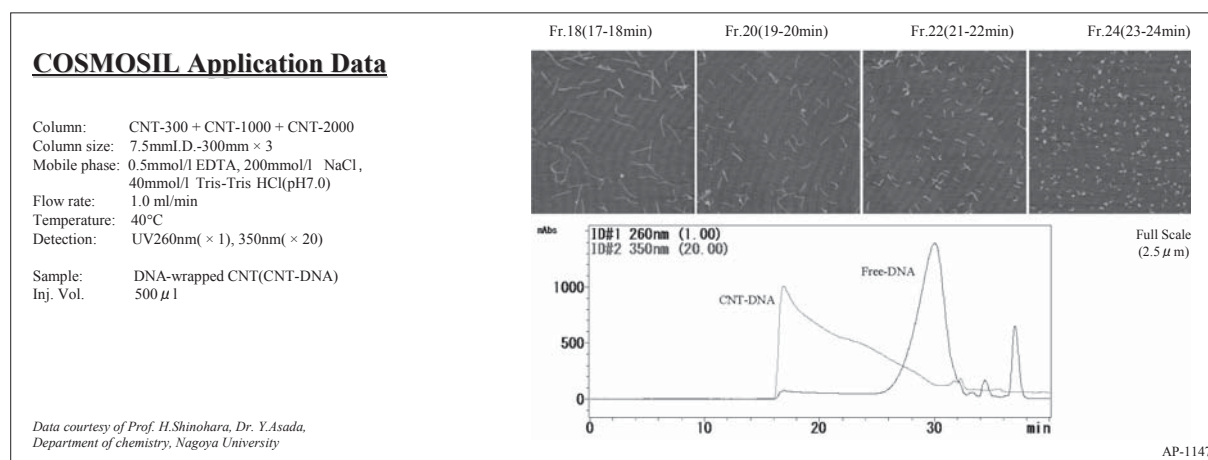
Specifications

Packing Material	CNT-300	CNT-1000	CNT-2000
Silica Gel	High Purity Porous Spherical Silica		
Average Particle Size	5 μm		
Average Pore Size	approx. 300 Å	approx. 1000 Å	approx. 2000 Å
Bonded Phase	Hydrophilic Group (neutral)		
pH Range	2.0-7.5		
Pressure	15MPa and below		

Applications

- Carbon nanotubes

COSMOSIL CNT columns offered improved separation for DNA wrapped carbon nanotubes by connecting three columns with different pore sizes.



Ordering Information

- Analytical column (Particle Size: 5μm)

COSMOSIL CNT-300 Packed Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 300	09195-71

COSMOSIL CNT-300 Guard Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 50	09194-81

COSMOSIL CNT-1000 Packed Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 300	09197-51

COSMOSIL CNT-1000 Guard Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 50	09196-61

COSMOSIL CNT-2000 Packed Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 300	09199-31

COSMOSIL CNT-2000 Guard Column

Column Size I.D. x Length (mm)	Product Number
7.5 x 50	09198-41