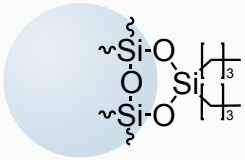
Kromasil®

When two are better than one

Kromasil® diC4 stationary phase for peptide and biomolecule separations

- Increased yield
- Reduced use of organic solvent
- Higher loadability
- Higher productivity



Schematic phase structure for Kromasil® diC4

Availability

Kromasil® diC4, a totally porous spherical silica with a dibutyl silane derivatization, is available in bulk with 100 or 300 Å pore size and 5 to 16 µm particle size. These materials are also available in prepacked columns: visit www.kromasil.com for details.

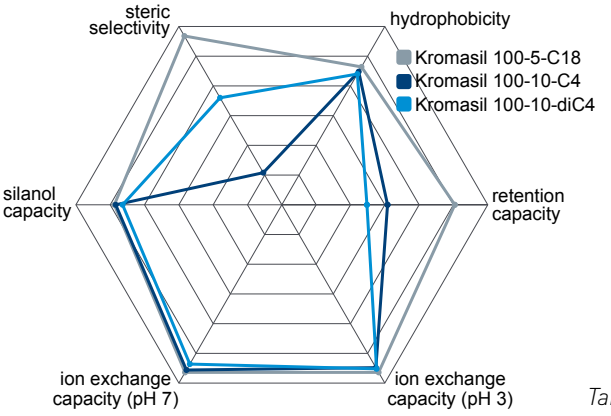
Part numbers

		Particle sizes			
Family	**Phase**	**5 µm**	**10 µm**	**13 µm**	**16 µm**
100 Å	diC4	M05DCblk*	M10DCblk	M13DCblk	
300 Å	diC4		L10DCblk		L16DCblk

**: available in slurry-packed columns only*

Nouryon

The new alternative in C4 phases

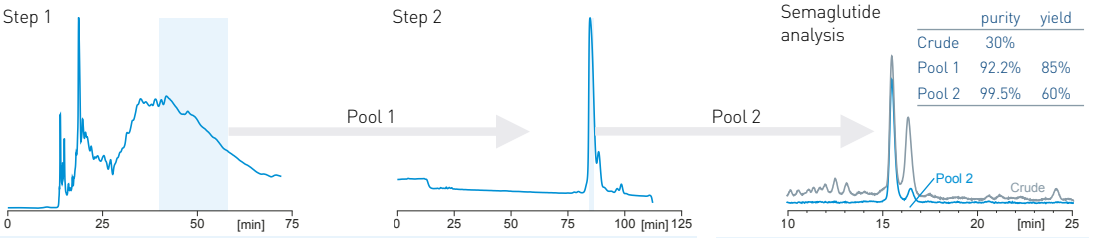


Kromasil® diC4 has strong C4 characteristics in terms of capacity and hydrophobicity. The main difference is a steric selectivity in between a C18 and a C4, more like a C8.

Tanaka test diagram of silica phase characteristics

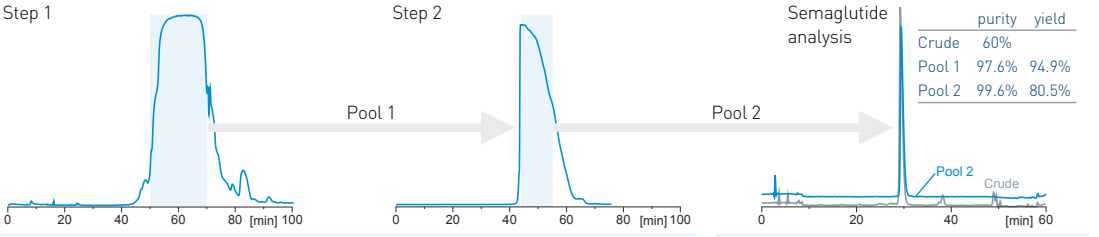
Selectivity that can push loadability and productivity to new levels

Better loadability on first step gives diC4 a huge lead over C4 in the second step where high purity must be achieved.



Prep conditions
Stationary phase: Kromasil 100-10-C4
Mobile phase step 1: acetonitrile / water + trifluoroacetic acid
Mobile phase step 2: acetonitrile / ammonium acetate

Analysis conditions
Stationary phase: Kromasil 100-3.5-C4
Mobile phase organic solvent: acetonitrile
Mobile phase salt: trifluoroacetic acid



Prep conditions
Stationary phase: Kromasil 100-10-diC4
Mobile phase step 1: acetonitrile / ammonium bicarbonate
Mobile phase step 2: acetonitrile / ammonium acetate

Analysis conditions
Stationary phase: Kromasil 100-3.5-C4
Mobile phase organic solvent: acetonitrile
Mobile phase salt: trifluoroacetic acid

The moment you adopt our Kromasil® high performance concept, you join thousands of chromatographers who share a common goal: to achieve better separations when analyzing or isolating pharmaceuticals or other substances.

Not only will you benefit from our patented silica technology, but you gain a strong partner with a reliable track record in the field of silica products. For the past 70 years, we have pioneered new types of silica. Our long experience in the field of silica chemistry is the secret behind the development of Kromasil® stationary phases, and the success of our team.

Kromasil® media are available in bulk and in high-pressure slurry-packed columns. The production of Kromasil® chromatography media is ISO 9001 and ISO 14001 certified.

Kromasil® is a brand of Nouryon, a global specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products. The dedication of more than 8200 employees with a shared commitment to our customers, safety, sustainability and innovation has resulted in a consistently strong performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands.

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