

Kromasil[®]

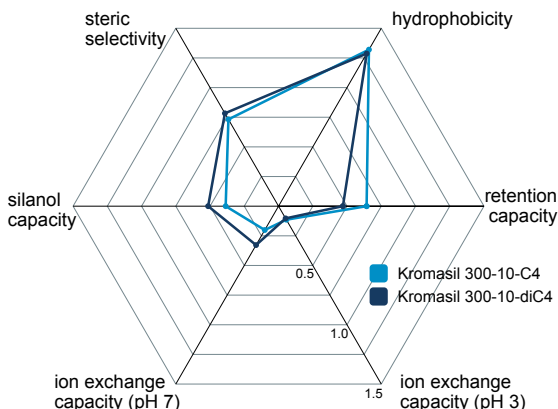
When two is better than one

Kromasil diC4 stationary phase
for your biomolecule separations



AkzoNobel

The new alternative in C4 phases



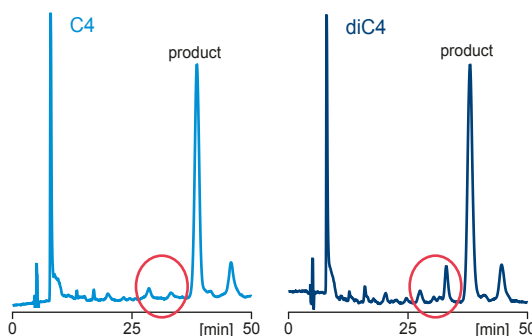
Kromasil diC4 has strong C4 characteristics, yet slightly higher silanol capacity and ion exchange capacity [at pH 7], and lower retention capacity.

With the 300 Å pore size, even biomolecules larger than 10 kDa can be separated on Kromasil diC4.

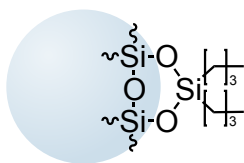
Tanaka test diagram of silica phase characteristics

Selectivity changes that make a difference

Impurities that coelute with the product on a C4 column, can successfully be separated on the Kromasil diC4 column.



Columns: Kromasil 300-10-C4, 4.6 x 250 mm [L10CSA25]
Kromasil 300-10-diC4, 4.6 x 250 mm [L10DCA25]
Substance: crude of insulin analogue
Mobile phase: methanol / 0.2 M ammonium acetate, pH 4
Gradient: C4: 0 min: 48%, 45 min: 57% acetonitrile
diC4: 0 min: 47%, 45 min: 56% acetonitrile
Flow rate: 0.7 ml/min
Detection: UV @ 254 nm



Schematic phase structure for Kromasil diC4

Availability

Kromasil diC4 is available in bulk with 300 Å pore size and 10 or 16 µm particle size. This material is also available in prepacked columns: visit kromasil.com for details.

Family	Phase	10 µm	16 µm
300 Å	diC4	L10DCblk	L16DCblk

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, and the success of our Separation Products group. Kromasil is available in bulk and in high-pressure slurry-packed columns.

The development, production and marketing of Kromasil are ISO 9001 certified.

Kromasil is a brand of AkzoNobel, a leading global paints and coatings company and a major producer of specialty chemicals, worldwide. Headquartered in Amsterdam, the Netherlands, we have approximately 45 000 people in around 80 countries. We are committed to sustainability and creating everyday essentials to make cities and people's lives more liveable and inspiring.



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