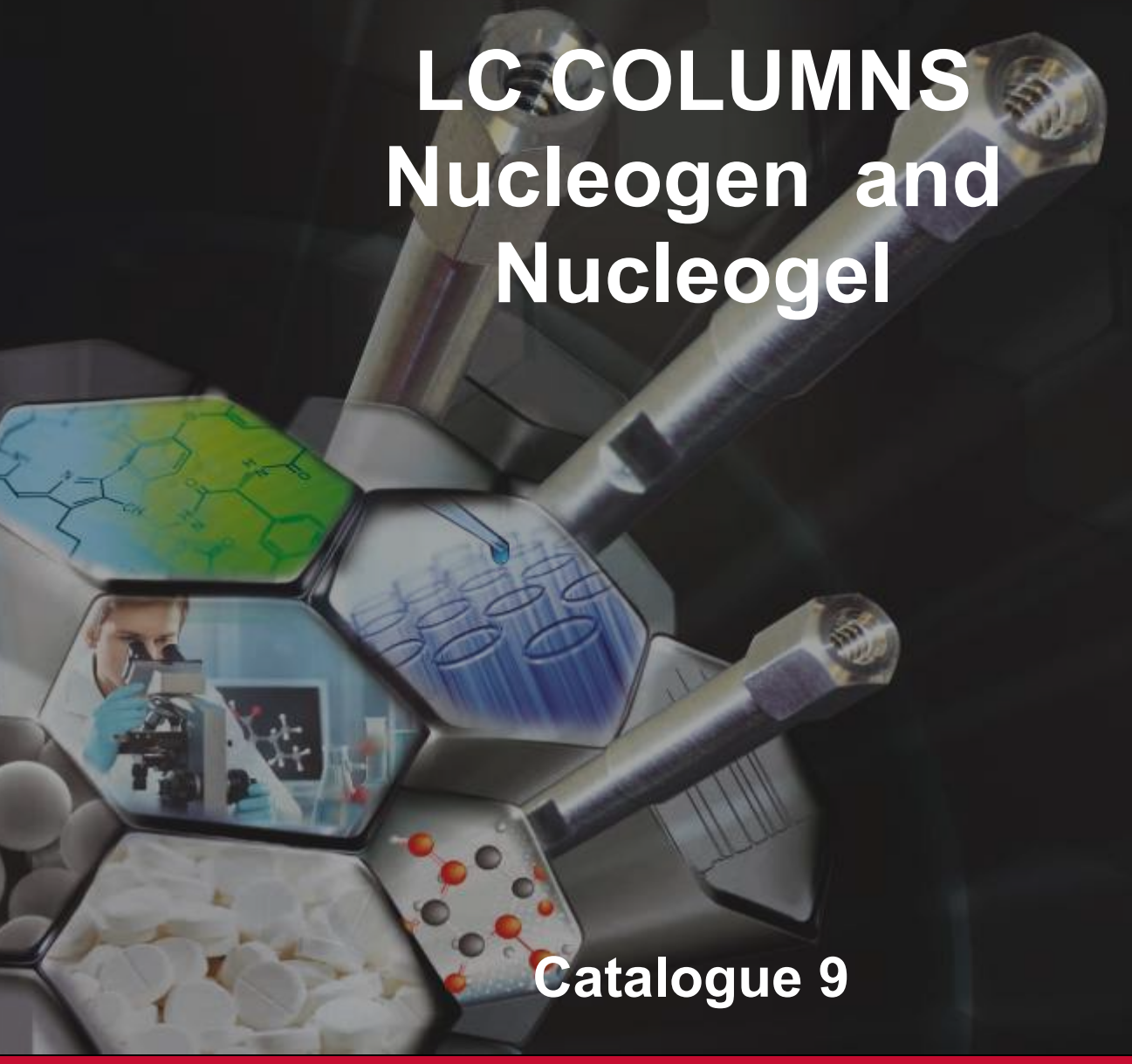
HICHROM

Chromatography Columns and Supplies

LC COLUMNS
Nucleogen and Nucleogel



Catalogue 9

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NUCLEOGEN® and NUCLEOGEL®

Macherey-Nagel manufactures a range of ion-exchange (NUCLEOGEN®), reversed-phase and gel filtration (NUCLEOGEL® GFC) columns for biochemical analysis, and ligand exchange (NUCLEOGEL Sugar) columns for food analysis.

NUCLEOGEN Columns for Bioanalysis

NUCLEOGEN DEAE

- Silica based DEAE anion-exchangers
- Available with pore sizes 60, 500 and 4000Å
- NUCLEOGEN 60-7 DEAE for separation of oligonucleotides up to chain lengths of 40 bases
- NUCLEOGEN 500-7 DEAE for separation of tRNA, 5S RNA, viroids and messenger RNA in the intermediate molecular weight range 25,000 to 1,000,000 Da
- NUCLEOGEN 4000-7 DEAE for separation of plasmids, DNA restriction fragments, ribosomal RNA, messenger RNA and viral RNA

Ordering Information

NUCLEOGEN Phase	Pore Size (Å)	Particle Size (µm)	Column Dimensions (mm)	Catalogue No.	Price
60-7 DEAE	60	7	125 x 4.0	736596.40	**£627**
60-7 DEAE	60	7	125 x 10.0	736597.100	**£2,575**
500-7 DEAE	500	7	125 x 6.0	736598	**£1,288**
500-7 DEAE	500	7	125 x 10.0	736599.100	**£2,575**
4000-7 DEAE	4000	7	125 x 6.0	736601	**£1,288**
4000-7 DEAE	4000	7	125 x 10.0	736602.100	**£2,575**
Guard column[1] (2/pk)	-	-	30 x 4.0	736400.40	**£171**

[1] Suitable for all NUCLEOGEN columns. Use with holder 721823 (£106)

NUCLEOGEL Columns for Food Analysis

- Sulphonated polystyrene-divinylbenzene resins
- Long column lifetimes
- Excellent pH stability

The NUCLEOGEL Sugar 810 series is based on spherical sulphonated polystyrene-divinylbenzene resin in different ionic forms. Separations of carbohydrates, organic acids and other polar small molecules are achieved by a combination of ion exclusion, ion-exchange, size exclusion, ligand exchange and partition mechanisms.

NUCLEOGEL Sugar Phases

NUCLEOGEL Phase	Ionic Form	USP Classification	Recommended Applications
Sugar 810H	SO_3H	L17	Sugars, sugar alcohols and organic acids
Sugar 810Ca	SO_3Ca	L19	Mono-, di- and oligosaccharides

Ordering Information

Column Dimensions (mm)	NUCLEOGEL Sugar Phase		Price
	810H	810Ca	
300 x 7.8	719574	719570	**£1,374**
30 x 4 (guard column[1], 2/pk)	719575	719571	**£221**

[1] Use with holder 721823 (£106)

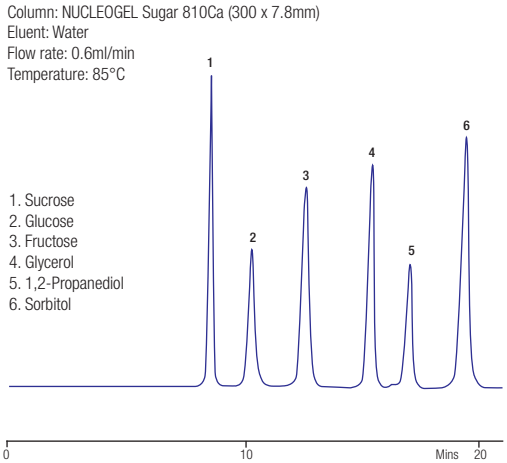

Figure 11. Separation of tobacco constituents