



MACHERY-NAGEL, the manufacturer of NUCLEOSIL HPLC phases and one of leading companies for chromatography products, presents its Reversed Phase Application Guide.

The 160 page publication includes an introduction to the theoretical aspects of HPLC, a lot of information about modern stationary phases, retention, selectivity and mobile phases.

Aside 150 up-to-date and relevant applications the special chapters Do's and Don'ts and trouble-shooting provide a lot of helpful hints and tips for a successful chromatography. A special selection explains basic aspects and demands of preparative HPLC.

The applications are divided in the fields of:

- ◆ Drugs
- ◆ Biological and natural compounds
- ◆ Food analysis
- ◆ Environmental analysis
- ◆ Organic compounds

Part No.	Description
720,001.40	EC HPLC column EC 125/4 NUCLEOSIL 100-5 C8 length: 125 mm, ID: 4 mm pack of 1
720,001.46	EC HPLC column EC 125/4.6 NUCLEOSIL 100-5 C8 length: 125 mm, ID: 4.6 mm pack of 1
720,002.20	EC HPLC column EC 125/2 NUCLEOSIL 100-5 C18 length: 125 mm, ID: 2 mm pack of 1
720,002.30	EC HPLC column EC 125/3 NUCLEOSIL 100-5 C18 length: 125 mm, ID: 3 mm pack of 1
720,002.40	EC HPLC column EC 125/4 NUCLEOSIL 100-5 C18 length: 125 mm, ID: 4 mm pack of 1
720,002.46	EC HPLC column EC 125/4.6 NUCLEOSIL 100-5 C18 length: 125 mm, ID: 4.6 mm pack of 1
720,013.40	EC HPLC column EC 250/4 NUCLEOSIL 100-5 C8 length: 250 mm, ID: 4 mm pack of 1
720,013.46	EC HPLC column EC 250/4.6 NUCLEOSIL 100-5 C8 length: 250 mm, ID: 4.6 mm pack of 1
720,014.20	EC HPLC column EC 250/2 NUCLEOSIL 100-5 C18 length: 250 mm, ID: 2 mm pack of 1
720,014.30	EC HPLC column EC 250/3 NUCLEOSIL 100-5 C18 length: 250 mm, ID: 3 mm pack of 1
720,014.40	EC HPLC column EC 250/4 NUCLEOSIL 100-5 C18 length: 250 mm, ID: 4 mm pack of 1
720,014.46	EC HPLC column EC 250/4.6 NUCLEOSIL 100-5 C18 length: 250 mm, ID: 4.6 mm pack of 1

Part No.	Description
720,041.40	EC HPLC column EC 250/4 NUCLEOSIL 120-5 C18 length: 250 mm, ID: 4 mm pack of 1
720,041.46	EC HPLC column EC 250/4.6 NUCLEOSIL 120-5 C18 length: 250 mm, ID: 4.6 mm pack of 1
720,042.40	EC HPLC column EC 250/4 NUCLEOSIL 120-7 C18 length: 250 mm, ID: 4 mm pack of 1
720,043.40	EC HPLC column EC 250/4 NUCLEOSIL 120-10 C18 length: 250 mm, ID: 4 mm pack of 1
720,043.46	EC HPLC column EC 250/4.6 NUCLEOSIL 120-10 C18 length: 250 mm, ID: 4.6 mm pack of 1
720,045.40	EC HPLC column EC 125/4 NUCLEOSIL 300-5 C4 MPN length: 125 mm, ID: 4 mm pack of 1
720,046.40	EC HPLC column EC 150/4 Resolvosil BSA-7 length: 150 mm, ID: 4 mm pack of 1
720,050.40	EC HPLC column EC 125/4 NUCLEOSIL 120-5 C8 length: 125 mm, ID: 4 mm pack of 1
720,050.46	EC HPLC column EC 125/4.6 NUCLEOSIL 120-5 C8 length: 125 mm, ID: 4.6 mm
720,051.40	EC HPLC column EC 250/4 NUCLEOSIL 120-5 C18 length: 125 mm, ID: 4 mm pack of 1
720,051.46	EC HPLC column EC 250/4.6 NUCLEOSIL 120-5 C18 length: 125 mm, ID: 4.6 mm pack of 1
720,052.40	EC HPLC column EC 250/4 NUCLEOSIL 120-5 C8 length: 250 mm, ID: 4 mm pack of 1

OPTIMA Capillary Columns

TLC Plates



NUCLEODUR[®]

Professional solutions for HPLC

Several different surface modifications based on NUCLEODUR silica have been developed over the last years providing a full range of specified HPLC phases and an ideal tool for every separation:

- ◆ NUCLEODUR C18 Gravity and C8 Gravity
- ◆ NUCLEODUR C18 Isis
- ◆ NUCLEODUR C18 Pyramid
- ◆ NUCLEODUR PolarTec
- ◆ NUCLEODUR PFP
- ◆ NUCLEODUR Sphinx RP
- ◆ NUCLEODUR C18 HTec
- ◆ NUCLEODUR C18 ec and C8 ec
- ◆ NUCLEODUR HILIC
- ◆ NUCLEODUR CN and CN-RP
- ◆ unmodified NUCLEODUR

All phases are described in detail on the following pages.

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Ultrafast separations beyond high pressure driven UHPLC Core-shell silica

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- NUCLEOSHELL[®] RP 18plus NEW!
- NUCLEOSHELL[®] Phenyl-Hexyl
- NUCLEOSHELL[®] PFP
- NUCLEOSHELL[®] HILIC