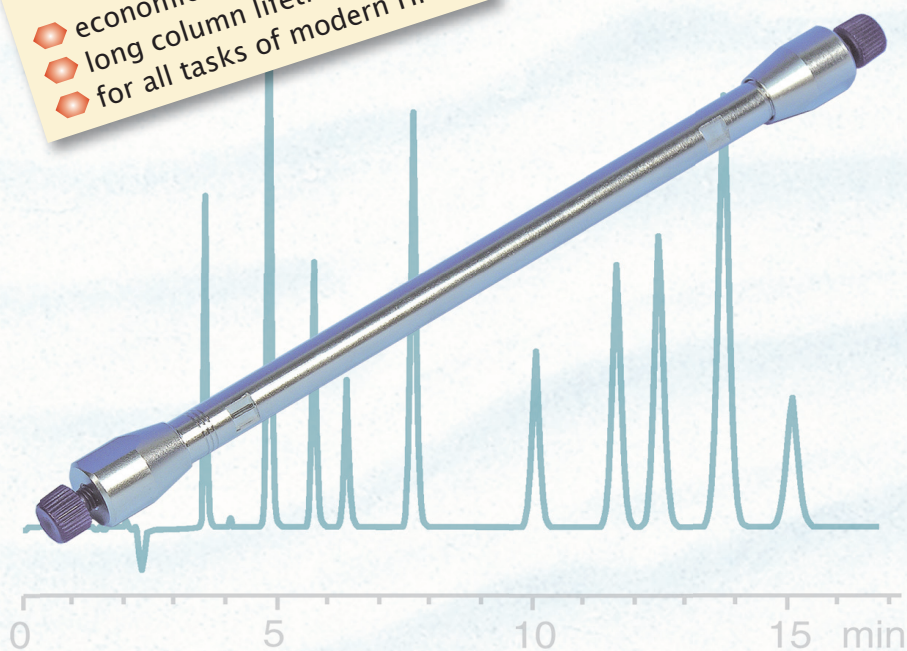


NUCLEODUR® C18ec

Professional solutions for HPLC

Setting Standards in Routine HPLC

- ◈ economical and reliable
- ◈ long column lifetime
- ◈ for all tasks of modern HPLC



NUCLEODUR® C18ec

... the ideal column for all standard and routine C18 HPLC:

⇒ your must-have for easy lab-life

◈ ideal and reliable RP phase for research, method development and daily routine analysis, as well as up-scaling for preparative-HPLC

⇒ broad applicability, one column for all intents and purposes

◈ medium density octadecyl (C18) modification with exhaustive endcapping based on ultra pure spherical silica

⇒ long column life time and cost efficient analyses

◈ superior packing quality and good pH stability from pH 1-9

Recommended applications:

all applications according USP L1; basic, neutral or acidic drugs, derivatised amino acids, pesticides, fat-soluble vitamins, aldehydes and ketones, phenolic compounds.

Visit our free online application database ... www.mn-net.com/apps

... we Meet your Needs

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NUCLEODUR® C18 ec

Setting standards in routine HPLC

NUCLEODUR® C18ec shows an excellent selectivity with comparable retention pattern as most common RP phases – so it's the ideal and advanced alternative replacement for all standard RP phases like:

- ▶ NUCLEOSIL® C18
 ▶ LiChrospher® 100 RP 18ec
 ▶ Spherisorb® ODS I
 ▶ Inerstil® ODS II
- ▶ Hypersil® ODS
 ▶ Kromasil® C18
 ▶ Waters Symmetry® C18

Due to an enhanced endcapping NUCLEODUR® C18ec provides a better performance for sensible compounds compared to other common RP phases, ... so it helps to improve critical applications!

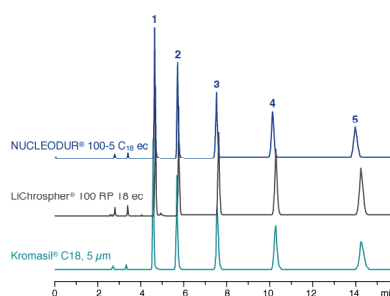
EASY Method Transfer

NUCLEODUR® C18 ec shows equivalent selectivity and retention times to competitor columns.

Methods can be easily transferred to NUCLEODUR® C18ec

... just use your existing protocol!

Separation of aromatic hydrocarbons

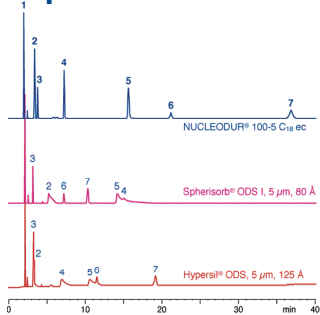


Column: NUCLEODUR® 100-5 C₁₈ ec
250 x 4.6 mm
Eluent: acetonitrile – water (75:25, v/v)
Flowrate: 1.3 ml/min
Temperature: 30 °C
Detection: UV, 254 nm

- Peaks:**
1. toluene
 2. ethylbenzene
 3. propylbenzene
 4. butylbenzene
 5. pentylbenzene

MN-Appl. No. 123 140

Separation of critical compounds



Column: NUCLEODUR® 100-5 C₁₈ ec
250 x 4.6 mm
Eluent: methanol – water (55:45, v/v)
Flowrate: 1.3 ml/min
Temperature: 30 °C
Detection: UV, 254 nm

- Peaks:**
1. uracil
 2. aniline
 3. phenol
 4. *p*-ethylaniline
 5. *N,N*-dimethylaniline
 6. toluene
 7. ethylbenzene

MN Appl. No. 123 150

ADVANCED Performance

Due to an enhanced endcapping NUCLEODUR® C18ec shows no tailing and an excellent peak symmetry compared to competitor columns.

NUCLEODUR® C18ec will improve your existing method by identical columns parameters!

Ordering information

Pore size 110 Å; octadecyl phase, endcapped, 17.5 % C; eluent in column acetonitrile/water

Length →	50 mm	75 mm	100 mm	125 mm	150 mm	250 mm	Guard columns *
NUCLEODUR® 100-3 C18 ec EC analytical columns with 3 µm particel size							
2 mm ID	760050.20			760051.20		760052.20	761005.30
3 mm ID	760050.30			760051.30		760052.30	761005.30
4 mm ID	760050.40			760051.40		760052.40	761005.40
4.6 mm ID	760050.46	76046.46	760054.46	760051.46	760053.46	760052.46	761005.40
NUCLEODUR® 100-5 C18 ec EC analytical columns with 5 µm particel size							
2 mm ID	760004.20			760001.20		760002.20	761100.30
3 mm ID	760004.30			760001.30		760002.30	761100.30
4 mm ID	760004.40			760001.40		760002.40	761100.40
4.6 mm ID	760004.46	760035.46	760013.46	760001.46	760008.46	760002.46	761100.40

* 8 mm ChromCart® guard column cartridges (pack of 3) are connected with guard column adaptor EC (REF 721359).

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