

КАТАЛОГ

Применения колонок для
высокоэффективной
жидкостной хроматографии

ВЭЖХ



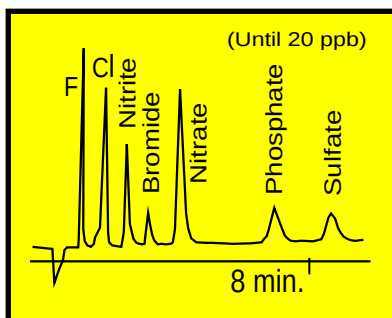
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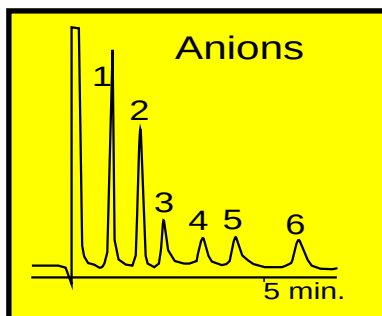
Анионы, катионы, полимеры	1
Сахара, многоатомные спирты, спирты, вина	2
Пищевые добавки, фенолы и карбоновые кислоты	3-4
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Витамины	6
Аминокислоты	7
Лекарства	8
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Наркотики	12
Пептиды, белки, олигонуклеотиды	13-14
Пестициды и гербициды	15-17

Aniones with Suppressor

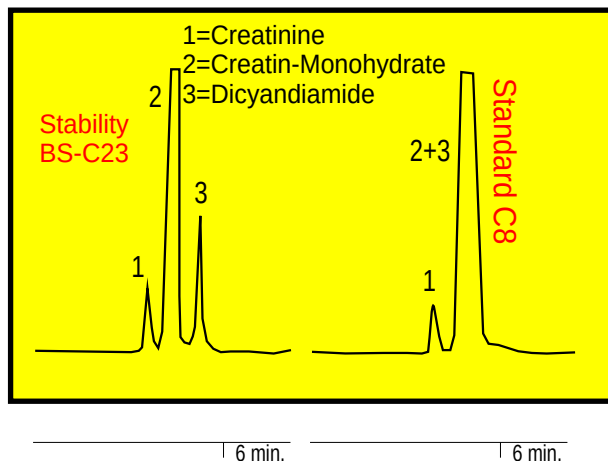


Column: ReproGel AXS
150 x 4 mm
Eluent: 1,7 mM Natrium-Bicarbonat/1,8 mM Na-Carbonate/ 0,1 mM Na-Thiocyanat
Temperature: RT
Flow rate: 2ml/min.
Injection: 100 µl

Anions with indirect UV



Column: ReproGel AX, 10 µm (150 x 4 mm)
Eluent: mM K-Hydrogen-Phthalat (pH 6.0)
Flow rate: 1.2 ml, Injection: 100 µl
Detection: Indirect, UV at 280 nm,
Sample:
1=Fluoride 2=Chloride 3=Nitrite
4=Bromide 5=Nitrate 6=Sulfate (10 ppm each)

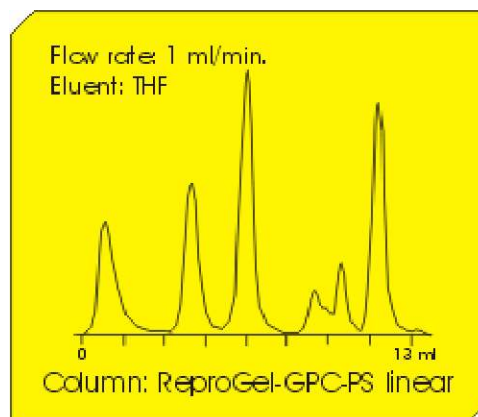
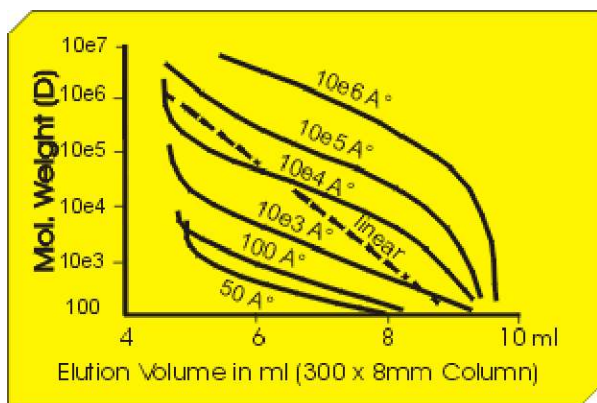
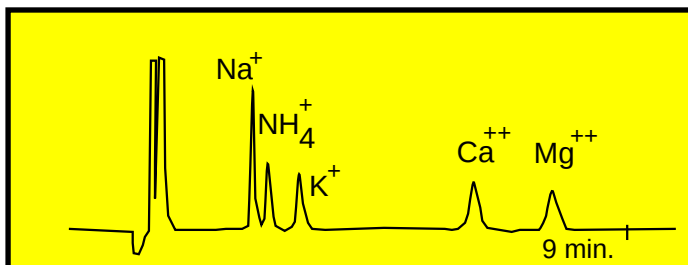


Stability BS-C23, 5 µm

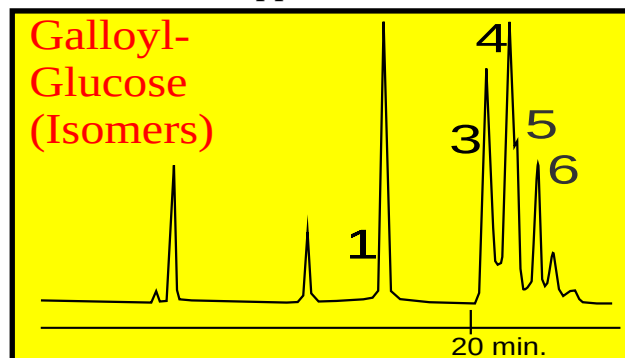
Eluent: KH₂PO₄ (2g/l H₂O)
Dimension: 250 x 3 mm
Flow rate: 0,4 ml/min
Detection: 210 nm

Simultaneous Analysis of 1- and 2-val. Cations

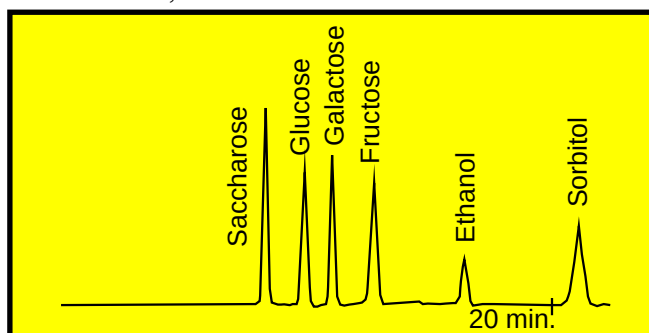
Column: ReproSil Cat, 5µm(or 7 µm) (125 x 4,6 mm)
Eluent: 5.0 mM Citric Acid + 0.5 mM 2,6 Pyridinedicarboxylic Acid or 0.6 mM Ascorbic Acid + 3.3 mM Phosphoric Acid pH 2,7



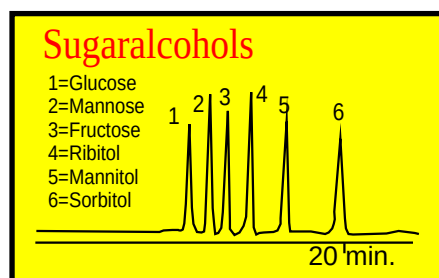
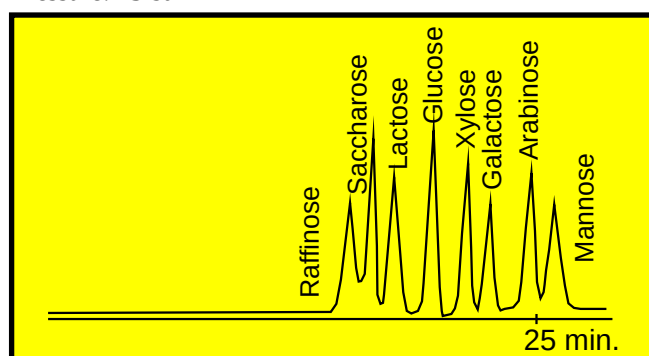
Column: ReproSil-Pur RP18-NE, 5 μ m (250x4 mm),
Flow rate: 0,7 ml/min., Detection: 280nm
Eluent: A=0.05 % H3PO4 B: ACN, Gradient
NE= not endcapped!



Sugars and Alcohols: ReproGel-Ca, 9 μ m (250 x 8 mm)
Eluent: H2O, Flow rate: 0,5 ml/min. Temperature: 80 C°,
Detection: RI, 35 bar

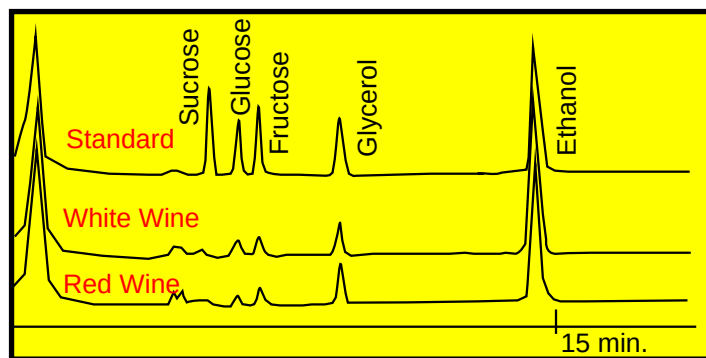


Sugars: ReproGel-Pb, 9 μ m (250 x 8 mm,)Eluent: H2O,
Flow rate: 0,3 ml/min., Temperature: 80 C°, Detection: RI,
Pressure: 25 bar

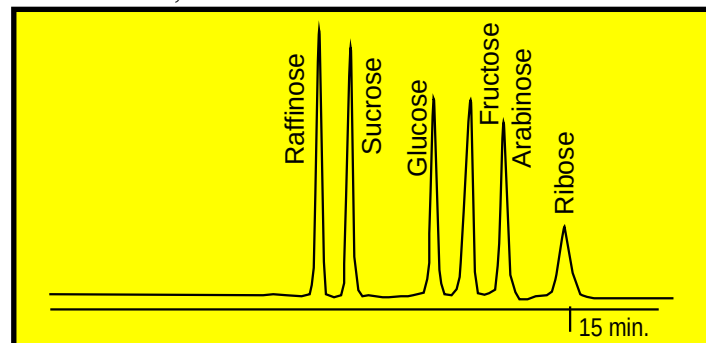


ReproGel-Ca,
9 μ m, 250 x 8 mm
Flow rate: 0,5 nm/ml/min
Teperature.: 80 C°
Detection: RI
Injection: 20 μ l

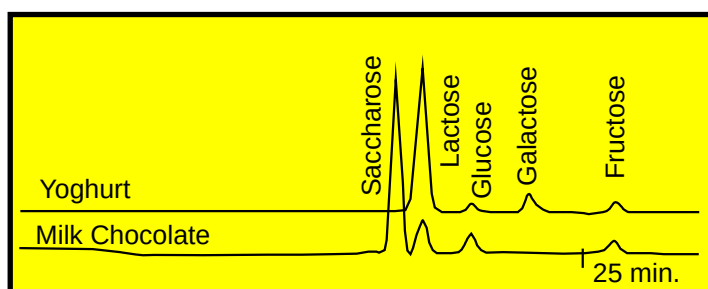
Red Wine: ReproGel-H, 9 μ m (250 x 8 mm)
Eluent: Water, Flow rate: 0,7 ml/min. Temperature: 25 C°,
Injection: 20 μ l. Acids are retained with 20 x 4.6 mm SAX-Guard-Column.



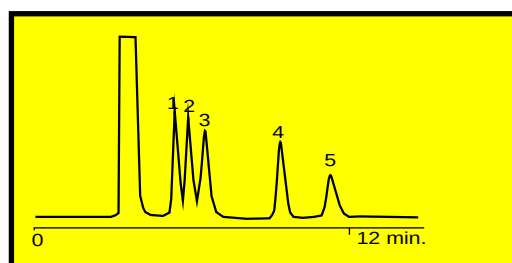
Sugars: ReproGel-Na, 9 μ m (250 x 8 mm)
Eluent: Water, Flow rate: 0,5 ml/min., Temperature: 80C°,
Detection: RI, Pressure: 45 bar



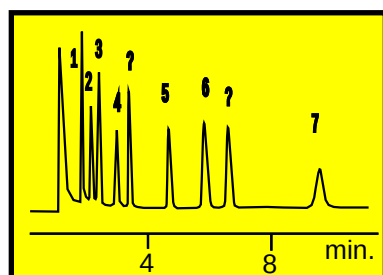
Lactose: ReproGel-Ca, 9 μ m (250 x 8mm)
Eluent: water, Flow rate: 0,3 ml/min., Temperature: 80 C° Detection: RI



Sorbitol and Sugars: Stability Polyamin, 5 μ m (NH2 on Silical)
(250 x 4,6 mm), Eluent: ACN/H2O (80/20), Flow rate: 1 ml/min.,
Detection: UV-DA

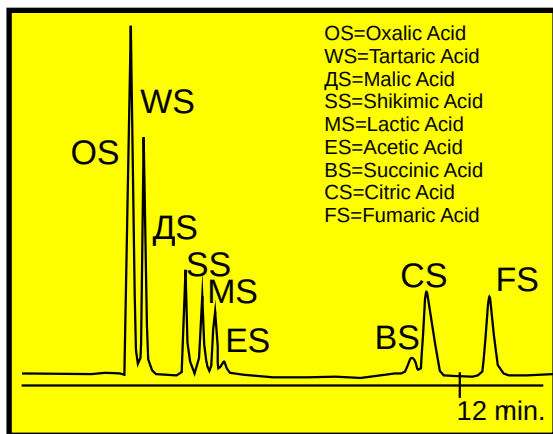


Sample:
1=Fructose
2=Sorbitol
3=Glucose
4=Saccharose
5=Maltose



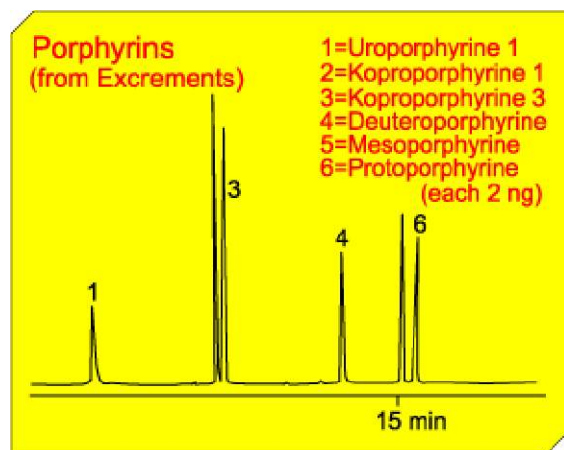
Sugars

Column: ReproSil Polyamin,
3 μ m (60 x 4 mm)
Flow rate: 0,8 ml/min
Eluent: ACN/H2O (80/20)
Detection: Diodenarray oder RI
Sample: 1=Rhamnose 2=Xylose
3=Fructose 4=Glucose 5= Sucrose
6=Maltose 7= Melizidose



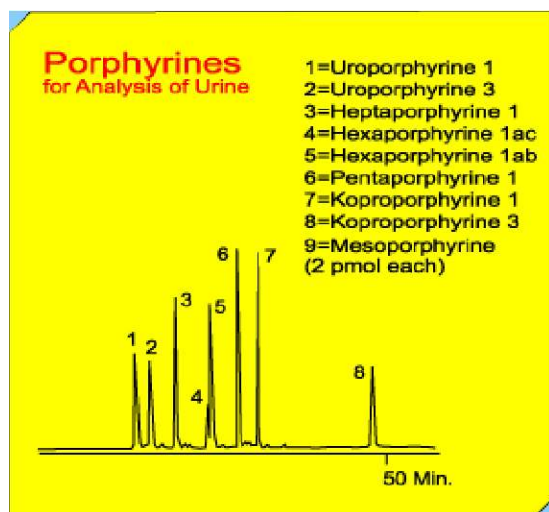
Organic Acids

ReproSil-Pur C18-AQ
 5 μ m, 200 x 4.6 mm
 Eluent: 200 mmol/L
 (20 g 85% H₃PO₄/l)
 Temperature: 20 C°,
 Detection: 230 nm



ReproSil-Pur PR18-NE,
 5 μ m (125x4 mm),

Flow rate: 1ml/min,
 Detection: 405/630 nm
 Fluorimetr.
 Eluent: A=10mm KHPO₄, pH5.4
 B=5mM
 Tetrabutylammoniumphosphate
 pH-7.3 in MeOH, Gradient



Stability C18-NE, 5 μ m
 125 x 3 mm

Flow rate: 0,7 ml/min.
 Eluent: A: 40mM KH₂PO₄ pH5, 4, B: 12.5 mM
 Tetrabutylammoniumphosphat pH7.3 in MeOH
 Gradient

Column: Fluofix 120 E, 5 µm (250 x 4.6 mm)

Flow rate: 1 ml/min.

Gradient: A: water / 85 % o-Phosphoric acid (99,5 / 0,5 v/v)

B: ACN / Water / 85 % o-Phosphoric acid (99,5 / 0,5 v/v)

0-5 min.: 0 % B, 5-45 min.: to 25 % B, 45-64 min.: to 80 % B, 65-70 min.: to 100 % B, until 84,9 min. 100 % B.

Sample:

1=Gallic Acid, 2=Protocatechinic Acid,

3=Tyrosol, 4=(+Catechine,

5=Procyanindin B2,

6=Coffee Acid

7=Chlorogenic Acid, 8=(-)Epicatechine, 9=p-Cumaric Acid,

10=Ferulic Acid, 11=Quercetin-3-galactoside,

12=Quercetin-3-rutinoside, 13=Quercetin-3-glucoside,

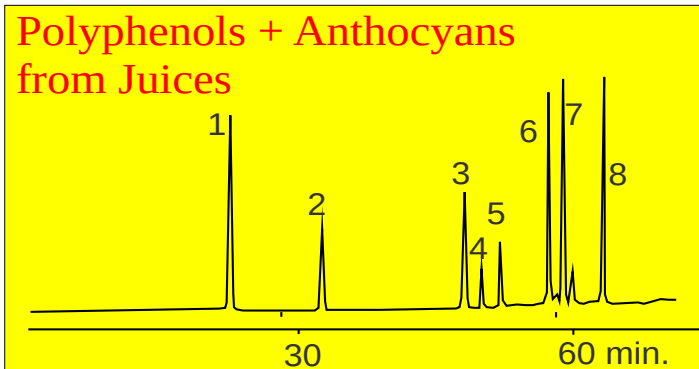
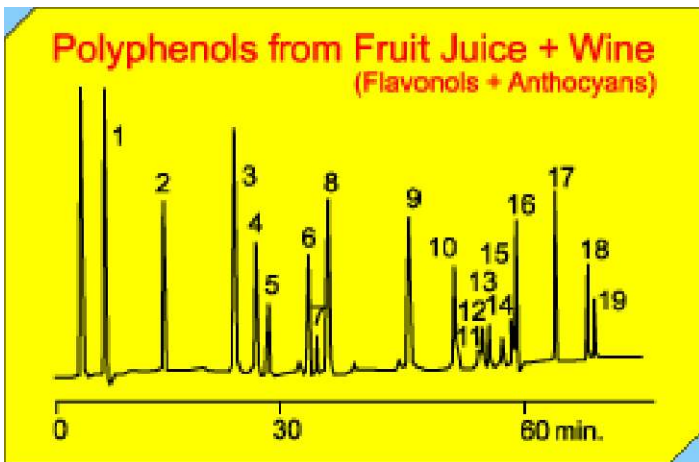
14=Quercetin-3-arabinside,

15=Phloridzin,

16=tr-Resveratrol,

17=Quercetin,

18=Kaempferol, 19=Phloretin



Column: ReproSil-Pur C18-AQ, 10 µm (250x4.6mm)

Eluent: A: H2O/85% o-Phosphoric acid (99,5/0,5)

B: ACN / H2O / 85% o-Phosphoric acid (50/49,5/0,5)

Gradient: 0-5 min. 0% B; 5-45 min.- 0-25%B; 45-65 min.

25-80%B; 65-70 min. 80-100 %B

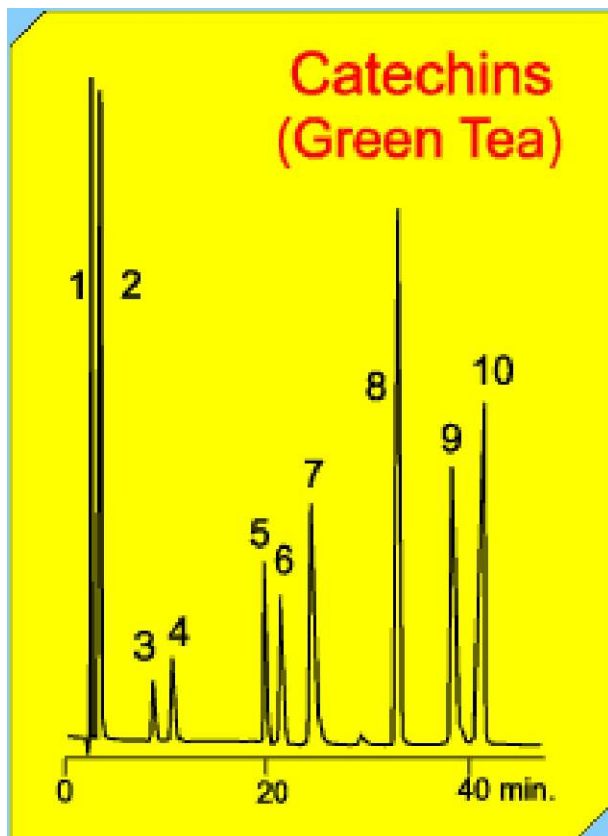
Flow: 1 ml/min. Tem.: 25 °C, Det.: 280 nm and 525nm,

Sample: 1=Gallic Acid, 2=Protocatechinic Acid

3=Chlorogenic Acid, 4=Delphinidin-3-rutinoside

5=Cyanidin-3-rutinoside, 6=p-Cumaric Acid

7=Ferulic Acid, 8=Phloridzin



Column: Stability Fluosil
5 µm 250 x 2 mm,

Flow rate: 0.3 ml/min

Temperature: 25 C°, Injection: 10 µl

Eluent: A: 0,1 % H₃PO₄ (85%) / 49,9% water/ MeCN (v/v/v),

B: 0,1 % H₃PO₄ in water

Sample:

1=Pyrogallol,

2=Gallic Acid,

3=EGC

4=Catechine,

5=Theobromine,

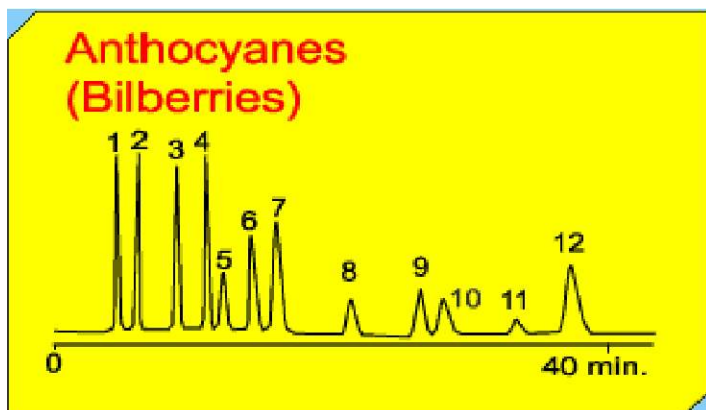
6=Epicatechine

7=Epigallocatechingallate,

8=Caffeine,

9=Epicatechingallate,

10=p-OH-Bs-methylester (IS)



ReproSil-Pur ODS-3, 5 µm(250x4.6 mm)

Eluent: H₂O/CH₃CN/HCOOH (81:9:10)

Detection: 546 nm,

Flow rate: 1 ml/min.,

Sample:

1=Delphinidin-3-galactoside, 2=Delphinidin-3-glucoside,

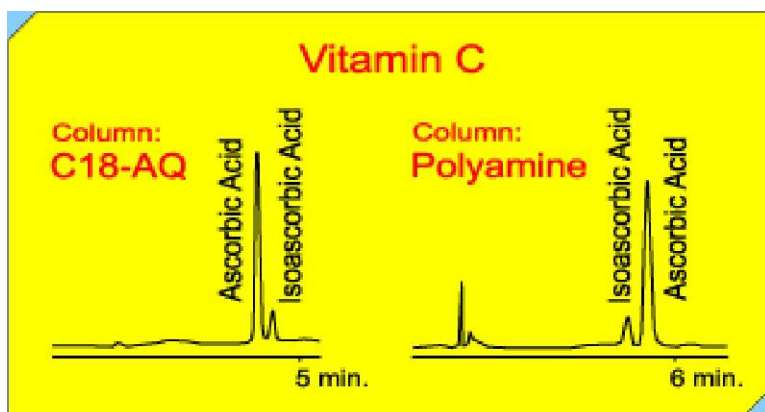
3=Delphinidin-3-rutinoside, 4=Cyanidin-3-glucoside,

5=Cyanidin-3-galactoside, 6=Cyanidin-3-arabinoside,

7=Petunidin-3-glucoside, 8=Peonidin-3-galactoside,

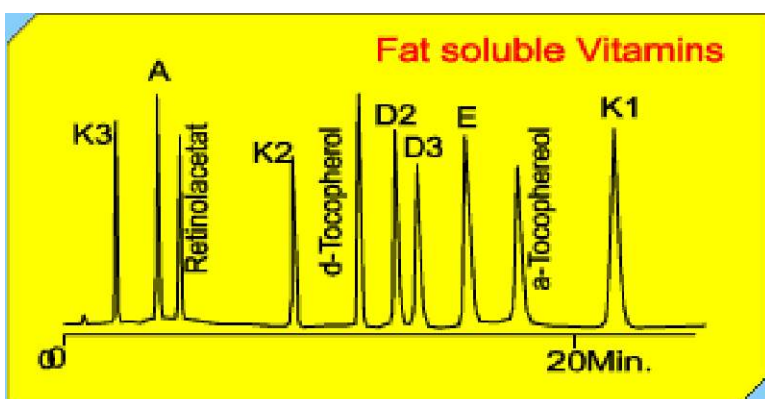
9=Peonidin-3-glucoside, 10=Malvidin-3-galactoside,

11=Peonidin-3-arabinoside, 12=Malvidin-3-glucoside.



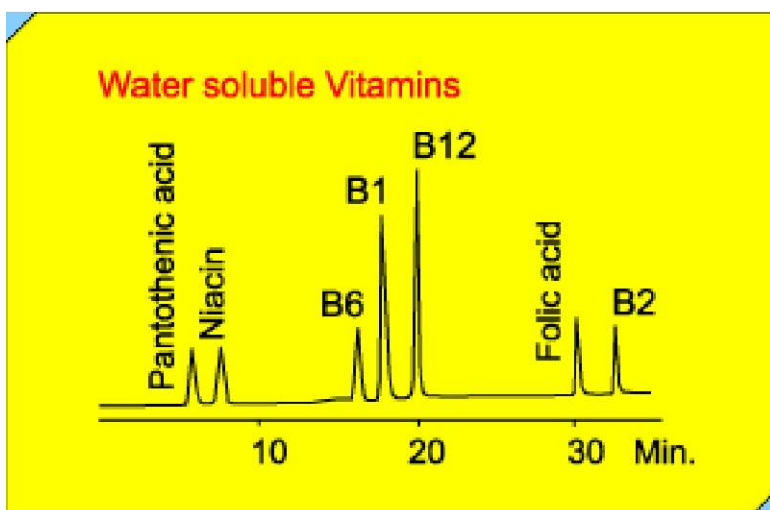
ReproSil-Pur C18-AQ,
5 μ m (250x4 mm)

Eluent: 0,25%
Phosphoric acid,
Flow: 1ml/min.,
Tem.: 30 C°,
Injection: 20 μ l,
Det.: 214 nm



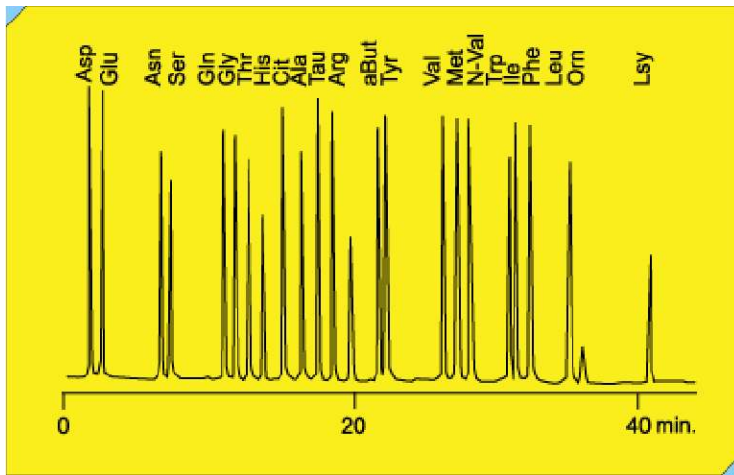
ReproSil-Pur ODS-3, 5 μ m (150 x 4.6 mm)

Eluent:
100 % Acetonitrile
Flow rate: 1 ml/min. Detection: 280 nm
Sample: Company Dr. Ehrenstorfer, Augsburg,
Germany



ReproSil-Pur ODS-3, 5 μ m (250 x 4.6 mm)

Eluent:
A: 20 mM KH₂PO₄ pH-6.6
B: 20 mM KH₂PO₄ pH-6,6 / ACN (80/20)
Gradient: 0-5 min.: 0 % B, 5 - 25 min.: 0 - 75 % B
25-30 min. 75 - 100% B; 30-35 min.: 100%B;
Flow rate: 1 ml/min., Detection: 254 nm

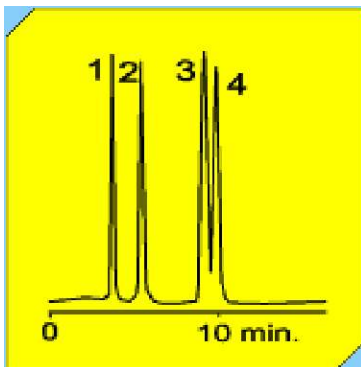


Column: ReproSil OPA,
3 μ m (150 x 4.6mm)
Eluent: 60 μ m

Analysis of Amino Acids by pre-column Derivatisation
with OPA/3-MPA

Eluent:

A: 25mM Na-phosphate-buffer (pH=7,2)/THF (995/5)
B: 25 mM Na-phosphate-buffer(pH=7,2) MeOH/ACN
(50/35/15)
Gradient: 0-3 min. 0% B, bei 20 min. 35%B, 25 min.
50%, 36 min. 60B, 40 min. 70 % B, 43-45 min.
100%B. Flow rate:1ml/min. Fluor.-Detection: Ex
330nm EM. 450nm

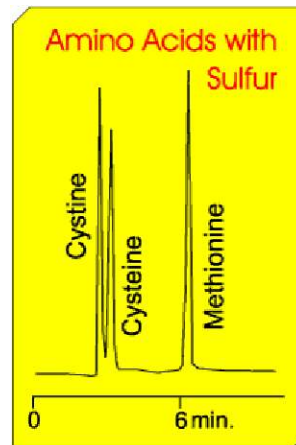


Native Amino-Acids

ReproSil-Pur C18-AQ
5 μ m (150x4.6 mm)

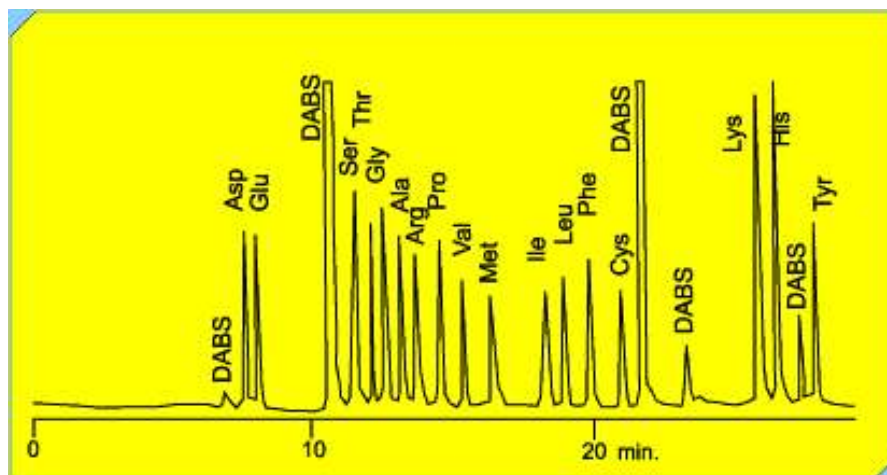
Eluent: H2O
Temperature: 40 C°
Flow rate: 0,6 ml/min.
Detection: RI

1=Alanine
2=Valine
3=Isoleucine
4=Leucine



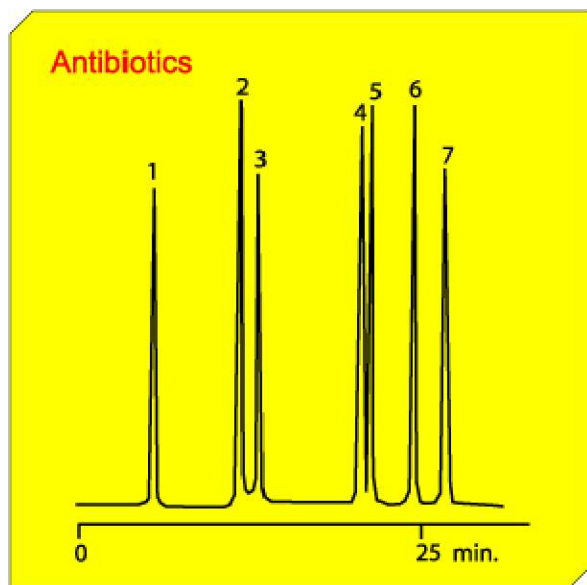
Column:
ReproSil-Pur C18-AQ,
5 μ m, (250 x 4.6 mm)

Eluent: Water
Flow rate: 1 ml/min.
Detection: 210 nm



Analysis of Amino Acids by pre-column Derivatisation with DABS-CL
Column: ReproSil DABS, 4 μ m (200x4.6mm)

Eluent: A=25 mM Na-Acetate pH 6,6 / ACN (80/20), B=ACN/2-Propanol (40/60)
Gradient: 0 min. 0 % B, 4 min. 5 % B, 8 min. 20 % B, 15 min. 25 % B,
27 min. 60 % B. 28 min. 100% B, 32 min. 100 % B
Flow rate: 1 ml/min.
Detection: VIS 436 nm
Temperature: 40 C°



ReproSil-Pur ODS-3,
3 μ m (125x4mm)

Eluent:

A:

50 mM Ammoniumphosphate / ACN (9/1)

B:

50 mM Ammoniumphosphate / ACN (1/1)

Gradient: in 25 min. to 55 % B, then isocratic

Sample:

1=Ampicillin,

2=Oxytetracycline

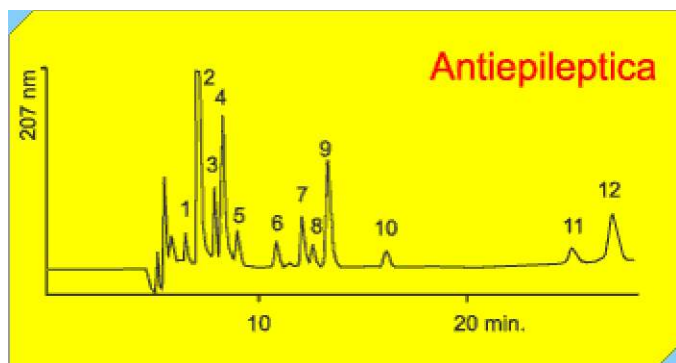
3=Tetracycline,

4=Chloramphenicol,

5=Oxolinic Acid

6=Doxorubicine,

7=Nalidixic Acid



With integrated sample injection:

Guard: ReproSil DIBS,

12 μ m (13x4 mm)

Column: ReproSil-Pur C18-AQ, 5 μ m (250x3 mm)

Sample (serum): with added metabolites:

1=PEMA (5,2 ng/ml)

2=Ethosuximide (153,8 ng/ml)

3=Primidone (6,4 ng/ml)

4=Lamotrigine (10,4 ng/ml),

5=Carbamazepindiol (1,6 ng/ml)

6=10-OH-Carbamazepine

7=Phenobarbital (6,8 ng/ml)

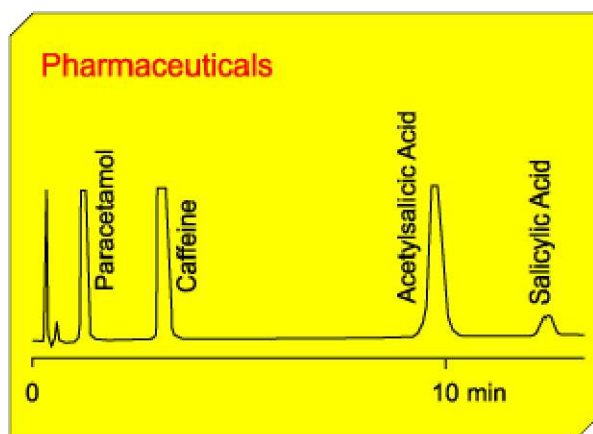
8=Desmethylnesuximide (2,6 ng/ml)

9=Carbamazepineoxide (9,8 ng/ml)

10=Oxycarbamazepine

11=Phenytoine (3,9 ng/ml)

12=Carbamazepine (10,2 ng/ml)



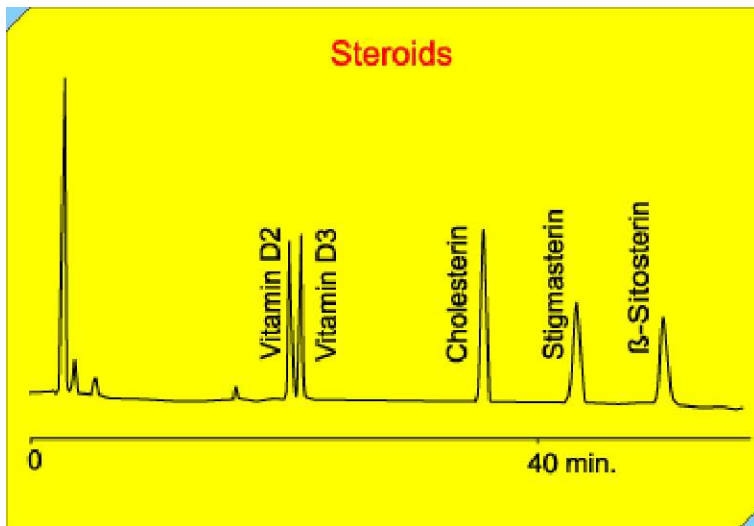
ReproSil-Pur C18-AQ,
5 μ m(125x4mm)

Eluent: ACN / MeOH / Acetic acid / Water
(40/80/51/900)

Flow rate: 1.5 ml/min, Detection: 275 nm

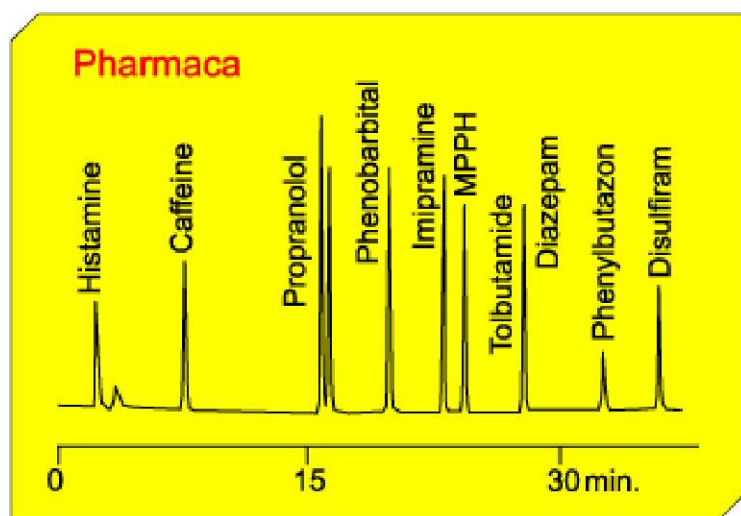
Temperature: 30 $^{\circ}$ C

Injection: 10 μ l



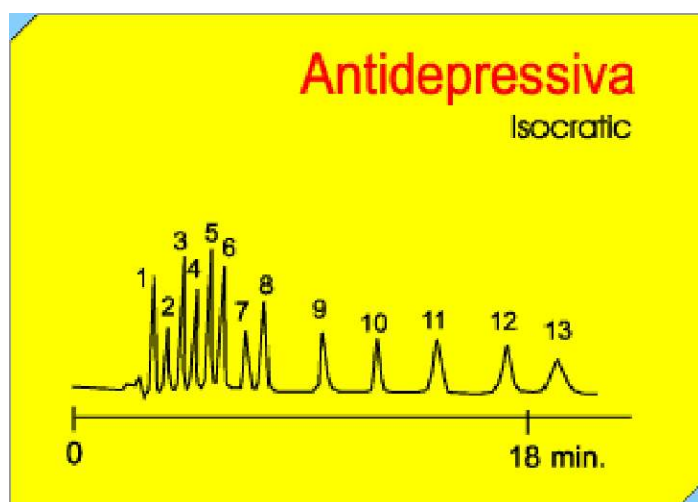
ReproSil-Pur C18-AQ
5 µm (250x4 mm)

Eluent:
MeOH/H₂O (99/1) / ACN (90/10)
Flow rate: 1.5 ml/min.
Detection: 214 nm



ReproSil-Pur ODS-3,
5µm, (250 x 4.6 mm)

Eluent:
A: 2.5 l water + 25 ml TEAP (Fluka) pH=3.2
B: ACN / A (70/30, V/v)
Flow rate: 1 ml/min.
Temperature: 40 C°
Lin Gradient: 20 % - 100 % B in 30 min

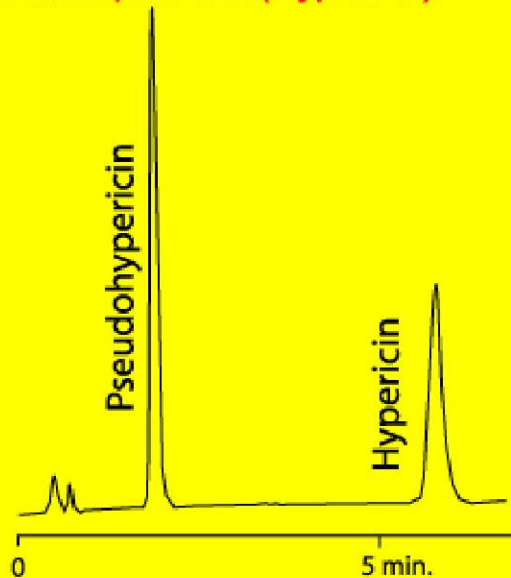


ReproSil-Pur ODS-3,
5µm, (250 x 4.6 mm)

Flow rate: 1ml/min. Temperature: 45 C°

1=Desmethylvenlafaxine
2=Desmethylnortriptyline
3=Milnacipram
4=Venlafaxine
5=Mirtazapine
6=IS
7=Desmethylnortriptyline
8=Citalopram
9=Paroxetine
10=Fluvoxamine
11=Norfluoxetine
12=Fluoxetine
13=Sertraline

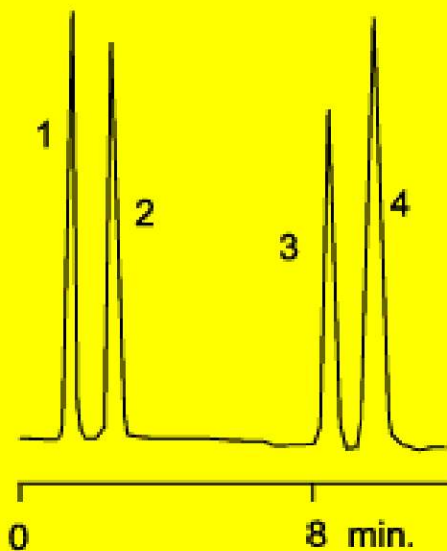
Antidepressive (Hypericin)



ReproSil-Pur C18-AQ,
5 μ m, (125x4 mm)

Eluent: 100g NaH₂PO₄/H₃PO₄
Buffer, pH=2,1 + 306 g MeOH + 85 g
Ethylacetate
Flow rate: 1,7 ml/min
Detection: 590 nm

Corticosteroides

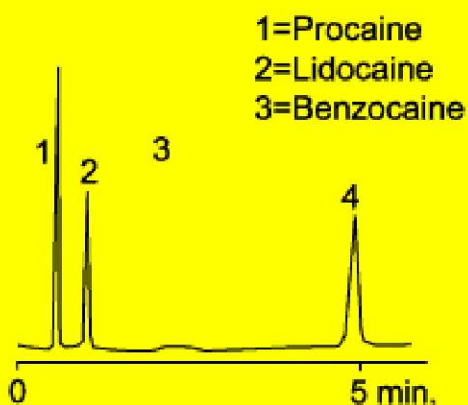


ReproSil-Pur C18-AQ,
5 μ m 125x4 mm

Eluent: H₂O /MeOH (4/6)
Flow rate: 0,8 ml/min.

1=Cortisone
2=Hydroxycortisone
3=Corticosterone
4=Cortisone Acetate

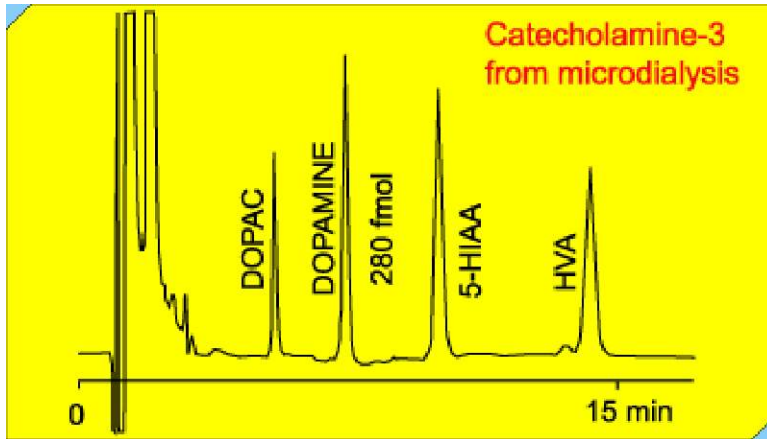
Anesthetic



1=Procaine
2=Lidocaine
3=Benzocaine

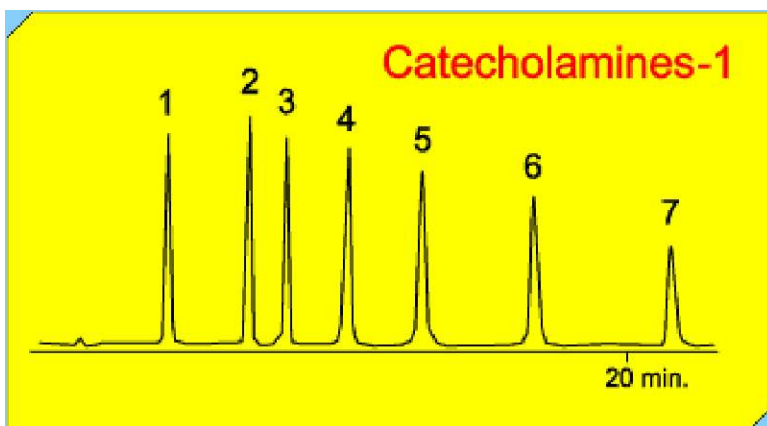
ReproSil Pur ODS-3,
3 μ m (53x4 mm)

Eluent:
Triethylammoniumacetate (=0,5%, pH=4)
ACN (80/20)
Flow rate: 1 ml/min



ReproSil-Pur C18-AQ,
5 μ m (150x4mm)

Eluent: 1000 ml water:
Na-Acetate-Trihydrate 7.465 gr., Na₂-EDTA 3.7 mg
+ Octanesulfonic acid sodium salt monohydrate
108,3 mg + 110 ml
MeOH,
pH=4.1 with 100% Acetic acid.
Flow rate: 1 ml/min.
Detection: elektrochemically



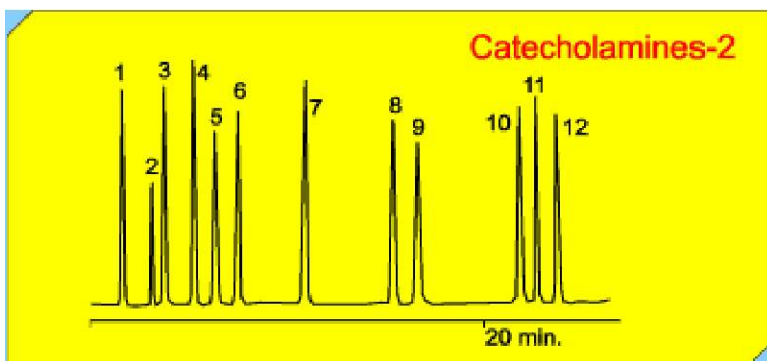
Column: ReproSil-Pur C18-AQ, 5 μ m
(150 x4mm)

Eluent:
6,9g NaH₂PO₄ + 37 mg EDTA + 150 mg Na-
Octansulfonate + 60 ml ACN + 5 ml THF in 1000 ml
H₂O

Temperature: ambient, Detection: Electrochemical

Sample:

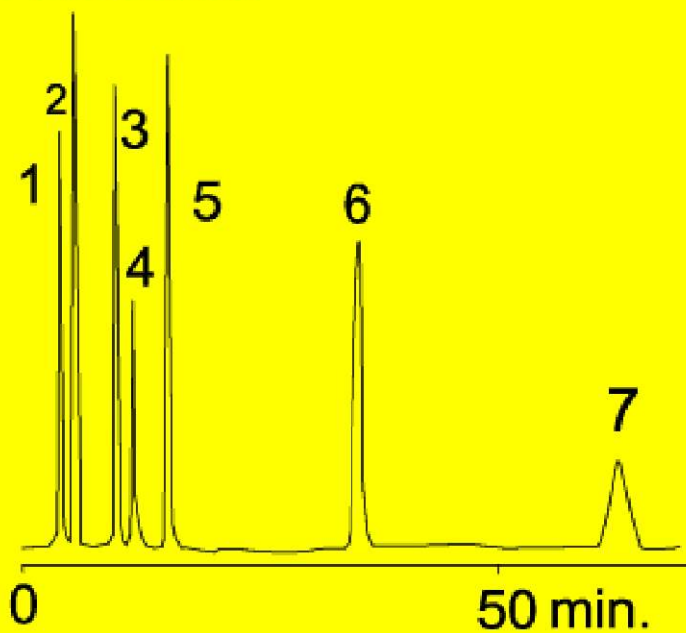
1=Noradrenaline,
2=3,4-Dihydroxyphenyl acetic Acid,
3=Homovanillic acid,
4=Dopamine
5=Epinin
6=Homovanillic acid
7=3-O-Methyldopa



Column: ReproSil-Pur C18-AQ,
5 μ m (250 x 4 mm)

Eluent:
1=100 mM Na-Phosphate, pH=3.0 B=ACN,
Gradient:20 min, 1% B, then 15 min. 15% B
Detection:210nm, Injection: 50 - 200 μ l/ml
1=Noradrenaline,
2=Adrenaline,
3=D/L-3-4-Dihydroxyphenyl-acetic-Acid
4=3,4-Dihydroxyphenylalanine,
5=Dopamine,
6=Tyrosine
7=D/L-Methoxy-4-Hydroxymandelic Acid,
8=Phenylalanine,
9=4-Hydroxy-3-Methoxyphenylglycol,
10=5-Hydroxyindole-3-acetic-Acid
11=Vanillic Acid
12=Homovanillic Acid

Alkaloids



ReproSil-Pur ODS-3,
5 μ m, (125x4mm)

Flow rate: 0,5 ml/min.

Eluent:

A: 20 mM

K-hydrogensulfate

ACN(82/18)

B: 20 mM

K-Dihydrogensulfate

ACN (60/40)

Gradient: 0-100% in 30 mins., then
at 100%

Sample:

1=Scopolamine

2=Atropine Sulfate

3=Quinine

4=Sparteine Sulfate

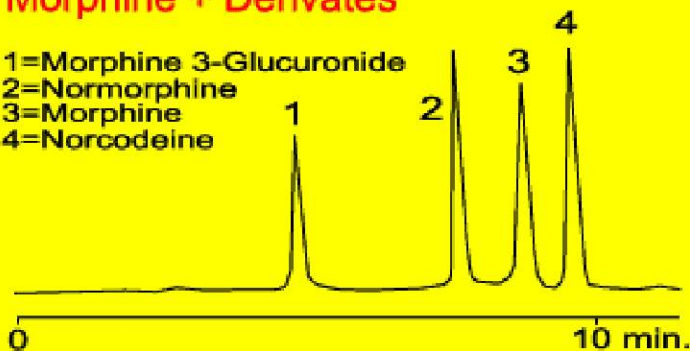
5=Cinchonine

6=Papaverine

7=Narcotine

Morphine + Derivates

1=Morphine 3-Glucuronide
2=Normorphine
3=Morphine
4=Norcodeine



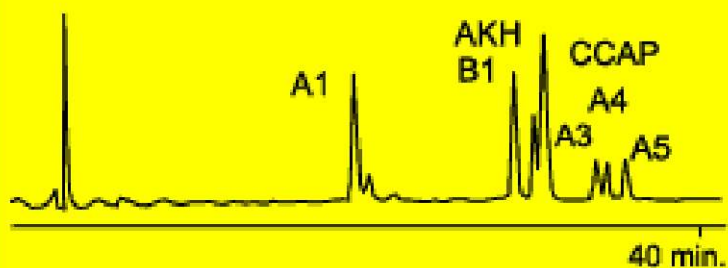
ReproSil-Pur C18-AQ,
5 μ m (250x3 mm)

Eluent: 20 mM KH₂PO₄ (pH3) / ACN (95/5)

Det.: Fluorimetr., Flow rate: 0,4 ml/min

Peptide Hormones

Allatostatine+AKH+CCAP



Column: ReproSil-Pur 300 ODS-3, 5 μ m
(250x3mm)

Eluent:

A: 0,115% TFA in water

B: 0,1% TFA in ACN

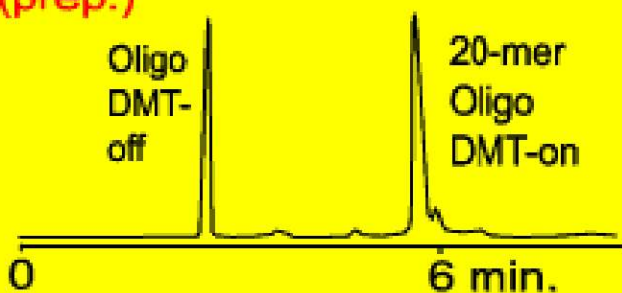
Gradient: 0-40 min., 15 % - 27 % B (0,3 % /min.)

Flow rate: 0,4 ml/min.,

Detection: 214 nm

Oligonucleotides

(prep.)

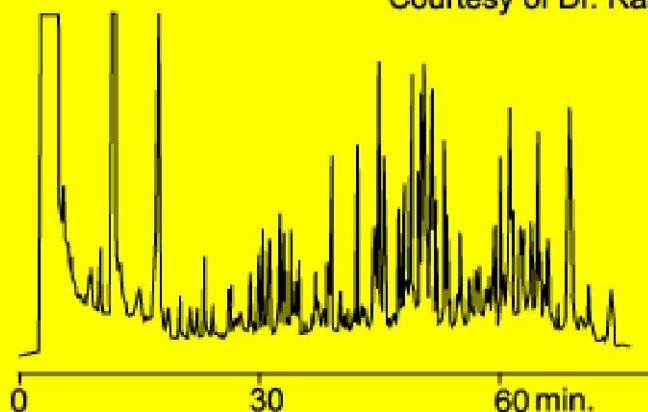


ReproSil-Pur C18-AQ,
5 μ m (100x8 mm) + Guard (30x8mm)

Eluent: 0.1 M TEAA / ACN Gradient: Start:
15/85 in 13 min to 30/70

Peptide from β -Myosin

Courtesy of Dr. Raida



Column: ReproSil-Pur
C18-AQ, 3 μ m (100 x 1mm)

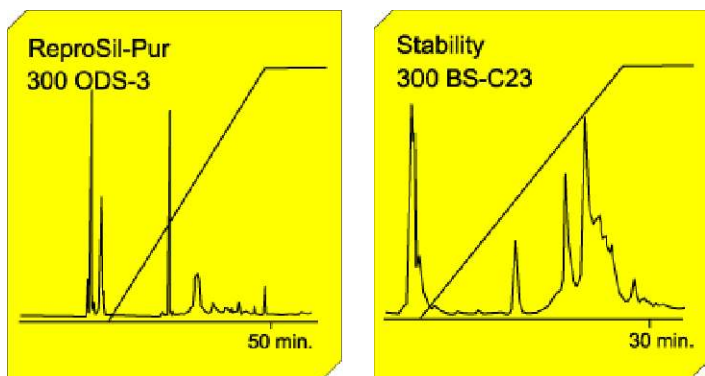
Eluent:

a= H2O B=ACN

Gradient:0,5% increase/min

Flow rate: 20 μ l/min

Detection:220 nm



Mixture of proteins from endothelial. Cell culture

Eluent: Gradient

5% ACN / 0,1 % TFA to 95 % ACN / 0,1 % TFA

Columns:

ReproSil-Pur 300 ODS-3

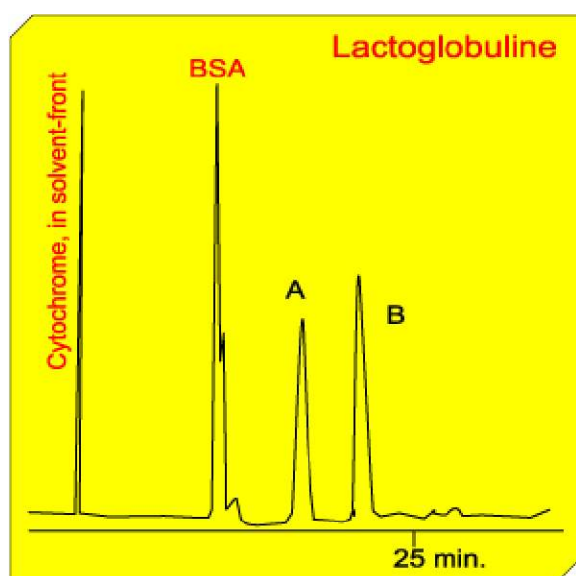
5 μ m, 250 x 4.6mm

Flow rate: 1 ml/min.

Stability 300 BS-C23, 5 μ m

125 x 3 mm,

Flow rate: 0,4 ml/min



Column: Stability Polyamine,
5 μ m (53 x 4.6 mm)

Eluent:

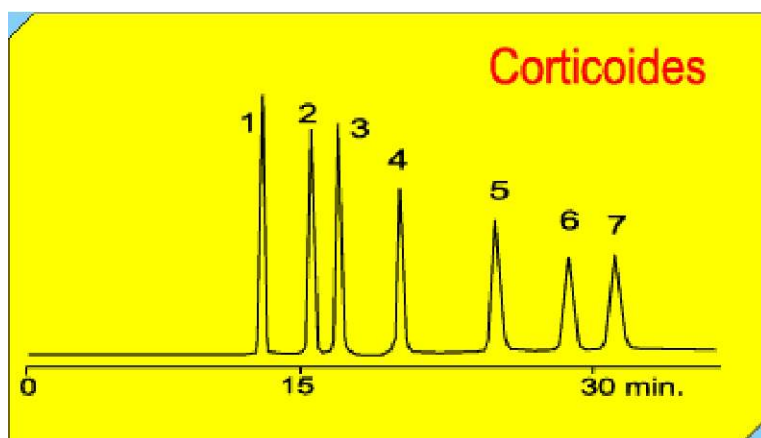
A= 20 mM TRIS-pH7

B=1M NH₄OAc-pH7

Gradient: 0-100% B in 20 min.

Detection: 280 nm,

Flow rate: 1 ml/min



Column: ReproSil-Pur

C18-AQ,

5 μ m (250x4.6 mm)

Eluent: Tetrahydrofuran / MeOH / Water (25:3:72)

Det.: 247 nm, Temp.:20 C°,

Flow rate: 1 ml/min.

Sample:

1=Prednison

2=Prednisolon

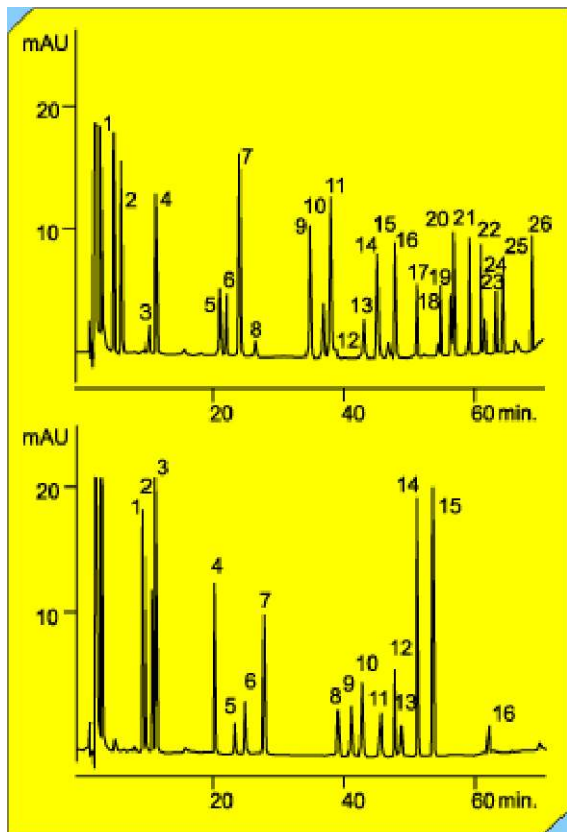
3=Cortisol

4=Flucortisol

5=Methylprednisolon

6=Triamcicolon (Volon)

7=Dexamethason



Analysis of 42 Pestizides

Column: ReproSil-Pestizide III, 5 μ m (250 x 3 mm) + Guard (5 x 3 mm)

Eluent:

A=1 mM NH₄-Acetate B= ACN Gradient: 0 min. 20% B, 40 min. 35% B, 80 min. 90% B, Temperature: 40 C°, Flow rate: 0,5 ml/min Detection: 230 nm

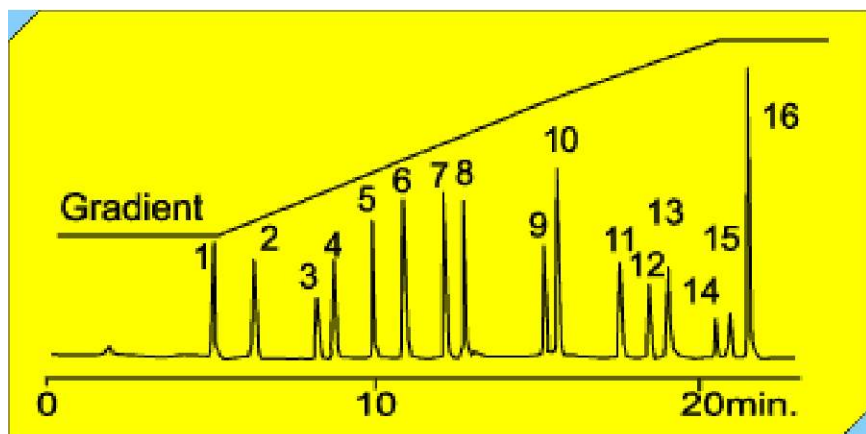
Injection: 50 μ l (in H₂O/ACN 80/20)

Sample 1 (with retention times):

1=Hydroxy-Simazin (5.6), 2=DIP-Atrazin (6.8), 3=Ethidimuron (10.9), 4=Desethyl-atrazin (11.8), 5=Metoxuron (21.4), 6=Hexazinon (22.4), 7=Simazin (24.4), 8=Thiazafluron (26.8), 9=Metabenzthiazuron (35.0), 10=Chlortoluron (37.0), 11=Atrazin (38.1), 12=Cycluron (38.7), 13=Diuron (43.1), 14=3,4-Dichlor-aniline (45.2), 15=Noruron (46.9), 16=Propham (47.6), 17=Buturon (51.1), 18=Linuron (55.0), 19=Chlorbromuron (56.5), 20=Chloroxuron (57.0), 21=Chlorpropham (59.3), 22=Diflubenzuron (61.0), 23=Metolachlor (61.5), 24=Neburon (63.2), 25=Prochloraz (64.2), 26=Pencycuron (68.6)

Sample 2 (with retention times):

1=Hydroxy-Atrazin (9.9), 2=Fenuron (11.2), 3=Chloridazon (11.6), 4=Benzthiazuron (20.5), 5=Bromacil (23.6), 6=Monuron (25.0), 7=Desethylterbutylazin (28.0), 8=Fluometuron (39.0), 9=Monolinuron (41.0), 10=Isoproturon (42.7), 11=Metobromuron (45.6), 12=Difenox-uron (47.6), 13=Metazachlor (48.6), 14=Propazin (51.1), 15=Terbutyl-azin (53.6), 16=Bitertanol (61.9). Concentration: each 10 ng/25 μ l

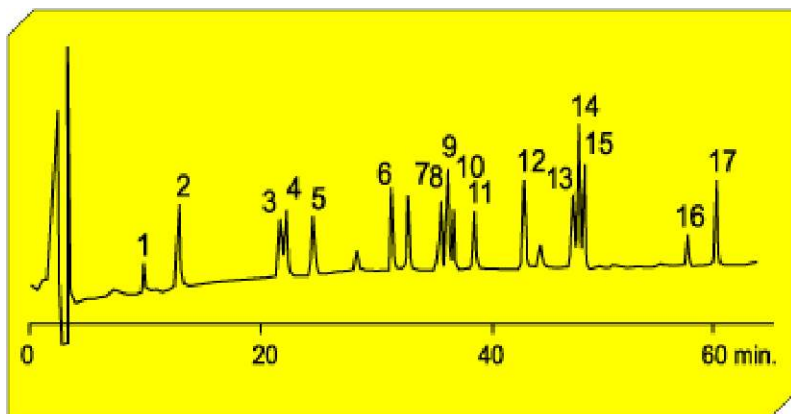


Column: ReproSil PAH-EPA, 5 μ m (250 x 4 mm)
Eluent: A=H₂O B=ACN, Gradient: 0 min. 50% B, 5 min. 50% B, 15 min. 85% B, 20 min. 100% B, 25 min. 100% B,

Opt. temperature: 20-30 C°,

Detection: Fluor. or UV at 254 nm

1=Naphthalene
2=Acenaphthylene
3=Acenaphthene
4=Fluorene
5=Phenanthren
6=Anthracene
7=Fluoranthene
8=Pyrene
9=Benz(a)anthracene
10=Chrysene
11=Benz(b)fluoranthene
12=Benz(k)fluoranthene
13=Benz(a)pyren
14=Dibenz(a,h)anthracene
15=Benz(g,h,i)perylene
16=Indeno(1,2,3,c,d)pyrene



Column: ReproSil Pestizid III, 5 µm (250 x 4 mm)

Eluent:

A= 85 % 1 mM NH₄-Acetate + 15 % ACN B=95% ACN + 5 % NH₄ Acetate

Gradient: 0 min. 0 % B, 55 min. 55% B, 75 min. 100 % B

Flow rate: 0.9 ml/min.

Detection: 230 nm Injection: 50 µl

1=Phenmedipham

2=Chloridazon

3=Carbetamid

4=Metoxuron

5=Monuron

6=Lenacil

7=Methabenzthiazuron

8=Chlortoluron

9=Monolinuron

10=Metabromuron

11=Isoproturon

12=Diuron

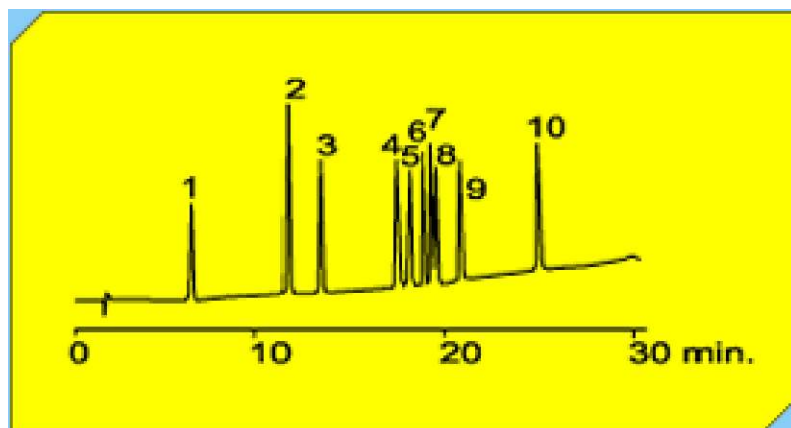
13=Propazin

14=Linuron

15=Aziphos-Methyl

16=Procymidon

17=Azinphos-Ethyl (100 µg/l each)



Pesticides (Urea-Derivates)

Column: ReproSil-Pur ODS-3, 5 µm (150 x 4,6 mm)

Eluent: A=H₂O B=ACN

Gradient: 0 -3,5 min. (ACN/H₂O, 40/60) isocratic

3.5 min. - 10.5 min: from 40% to 90% ACN

10.5 min. - 13.5 min. ACN/H₂O (90/10) isocratic

Flow rate: 1 ml / min.

Injection: 20 µm

Detection: 210 nm

1=Fenuron

2=Metoxuron

3=Monolinuron

4=Chlortoluron

5=Isoproturon

6=Fluometuron

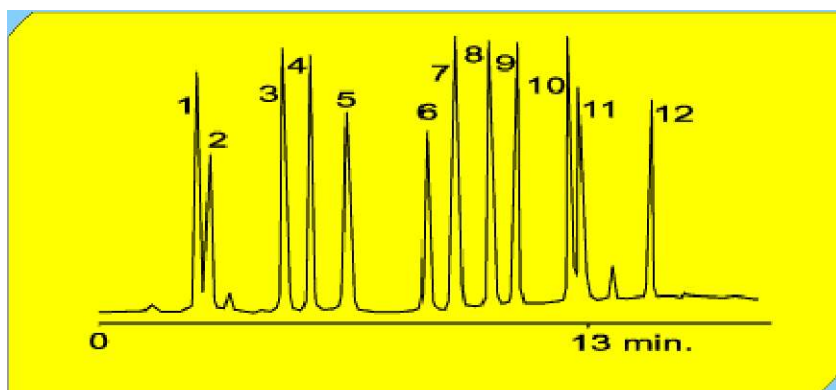
7=Monuron

8=Diuron

9=Metobromuron

10=Linuron

Carbamates



Column: ReproSil-Pur C18-AQ, 5 μ m
(250 x 3 mm)

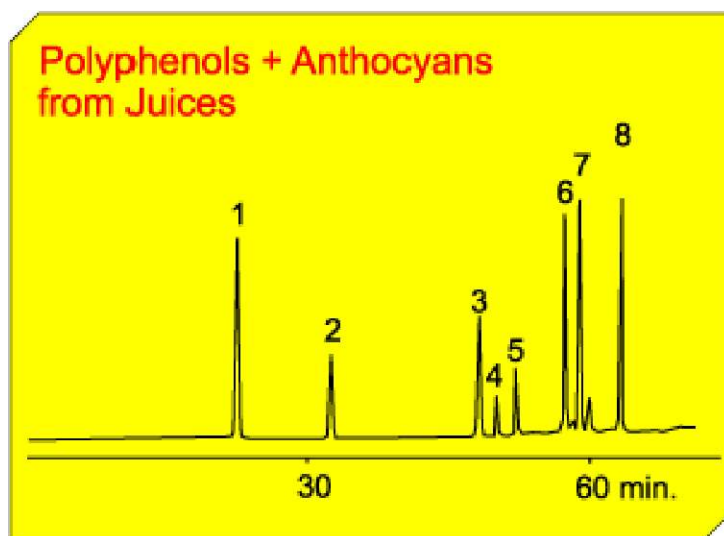
Eluent: A=H₂O (0,5% H₃PO₄) B=ACN
Gradient: 4:1 to 1:4 in 30 Min.

Flow: 0.5 ml/min.

Injection: 5 μ l

Detection: 243 nm

1=Fenuron
2=Metoxuron
3=Monolinuron
4=Chlortoluron
5=Isoproturon
6=Fluometuron
7=Monuron
8=Diuron
9=Metobromuron
10=Linuron
11=Diethofencarb
12=Fenoxycarb



ReproSil-Pur C18-AQ
10 μ m (250x4.6 mm)

Eluent:

A: H₂O/85% o-Phosphoric acid (99,5/0,5)

B ACN / H₂O /85% o-phosphoric acid (50/49,5/0,5)

Gradient: 0-5 min. 0% B; 5-45 min.- 0-25% B;
45-65 min. 25-80 %B, 65-70 min. 80-100%B

Flow: 1 ml/min.

Tem: 25 C°C,

Det.: 280 nm and 525 nm

Sample:

1=Gallic Acid,
2=Protocatechinic Acid
3=Chlorogenic Acid,
4=Delphinidin-3-rutinoside
5=Cyanidin-3-rutinoside,
6=p-Cumaric Acid
7=Ferulic Acid,
8=Phloridzin