

A N A L Y S E N T E C H N I K

ACE[®] 2010 HPLC Säulen

- Ultra Inert
- basendeaktiviert
- Reproduzierbarkeit garantiert



Entwicklung • Herstellung
Vertrieb • Beratung

HPLC-Säulen

- Neu + Refill
- umfangreiche Auswahl an Packungsmaterialien
- micro • analytisch • präparativ

Vertriebspartner für:

- GRACEVYDAC
- GL-SCIENCES
- THERMO SCIENTIFIC
- KROMASIL
- CHROMTECH
- DAICEL
- MERCK
- ES-INDUSTRIES

MZ-PAH

- Trennung von PAK's
- 3 µm & 5 µm

MZ-PBM

- Trennung von Pestiziden

MZ-Gel SDTM

- GPC-Säulen Organisch Styrol-Divinylbenzol

HEMA/HEMA-Bio

- GPC-Säulen wässrig

Zubehör

- RHEODYNE-Ventile
- EXMIRE-Spritzen
- Vorsäulensysteme
- Kapillaren
- Verschraubungen uvm.



ACE[®] HPLC Columns



ACE 100 Å - Ultra Inert Silica



100Å 3 µm

C18 = 111	AQ = 116
C8 = 112	SIL = 117
C4 = 113	C18-AR = 119
CN = 114	C18-HL = 311
Phenyl = 115	

Dimension	Best.-Nr.	€
30 x 1.0 mm	ACE-xxx-0301	490,00
35 x 1.0 mm	ACE-xxx-3501	520,00
50 x 1.0 mm	ACE-xxx-0501	530,00
75 x 1.0 mm	ACE-xxx-7501	590,00
100 x 1.0 mm	ACE-xxx-1001	620,00
125 x 1.0 mm	ACE-xxx-1201	650,00
150 x 1.0 mm	ACE-xxx-1501	680,00
20 x 2.1 mm	ACE-xxx-0202	305,00
30 x 2.1 mm	ACE-xxx-0302	311,00
35 x 2.1 mm	ACE-xxx-3502	330,00
50 x 2.1 mm	ACE-xxx-0502	330,00
75 x 2.1 mm	ACE-xxx-7502	375,00
100 x 2.1 mm	ACE-xxx-1002	394,00
125 x 2.1 mm	ACE-xxx-1202	413,00
150 x 2.1 mm	ACE-xxx-1502	432,00
20 x 3.0 mm	ACE-xxx-0203	305,00
30 x 3.0 mm	ACE-xxx-0303	311,00
35 x 3.0 mm	ACE-xxx-3503	330,00
50 x 3.0 mm	ACE-xxx-0503	337,00
75 x 3.0 mm	ACE-xxx-7503	375,00
100 x 3.0 mm	ACE-xxx-1003	394,00
125 x 3.0 mm	ACE-xxx-1203	413,00
150 x 3.0 mm	ACE-xxx-1503	432,00
35 x 4.0 mm	ACE-xxx-3504	330,00
50 x 4.0 mm	ACE-xxx-0504	337,00
75 x 4.0 mm	ACE-xxx-7504	375,00
100 x 4.0 mm	ACE-xxx-1004	394,00
125 x 4.0 mm	ACE-xxx-1204	413,00
150 x 4.0 mm	ACE-xxx-1504	432,00
20 x 4.6 mm	ACE-xxx-0246	305,00
30 x 4.6 mm	ACE-xxx-0346	311,00
35 x 4.6 mm	ACE-xxx-3546	330,00
50 x 4.6 mm	ACE-xxx-0546	337,00
75 x 4.6 mm	ACE-xxx-7546	375,00
100 x 4.6 mm	ACE-xxx-1046	394,00
125 x 4.6 mm	ACE-xxx-1246	413,00
150 x 4.6 mm	ACE-xxx-1546	432,00

- Komplet basendeaktiviertes Silica
- Garantierte Reproduzierbarkeit
- Bis zu 200.000 theor. Böden pro m
- Große Auswahl an Modifizierungen
- Validierter Herstellungsprozess

100Å 5 µm

C18 = 121	AQ = 126
C8 = 122	SIL = 127
C4 = 123	C18-AR = 129
CN = 124	C18-HL = 321
Phenyl = 125	

Dimension	Best.-Nr.	€
30 x 1.0 mm	ACE-xxx-0301	450,00
35 x 1.0 mm	ACE-xxx-3501	480,00
50 x 1.0 mm	ACE-xxx-0501	490,00
75 x 1.0 mm	ACE-xxx-7501	550,00
100 x 1.0 mm	ACE-xxx-1001	580,00
125 x 1.0 mm	ACE-xxx-1201	610,00
150 x 1.0 mm	ACE-xxx-1501	640,00
250 x 1.0 mm	ACE-xxx-2501	680,00
20 x 2.1 mm	ACE-xxx-0202	279,00
30 x 2.1 mm	ACE-xxx-0302	286,00
35 x 2.1 mm	ACE-xxx-3502	305,00
50 x 2.1 mm	ACE-xxx-0502	305,00
75 x 2.1 mm	ACE-xxx-7502	349,00
100 x 2.1 mm	ACE-xxx-1002	368,00
125 x 2.1 mm	ACE-xxx-1202	387,00
150 x 2.1 mm	ACE-xxx-1502	406,00
250 x 2.1 mm	ACE-xxx-2502	432,00
20 x 3.0 mm	ACE-xxx-0203	279,00
30 x 3.0 mm	ACE-xxx-0303	286,00
35 x 3.0 mm	ACE-xxx-3503	305,00
50 x 3.0 mm	ACE-xxx-0503	311,00
75 x 3.0 mm	ACE-xxx-7503	349,00
100 x 3.0 mm	ACE-xxx-1003	368,00
125 x 3.0 mm	ACE-xxx-1203	387,00
150 x 3.0 mm	ACE-xxx-1503	406,00
250 x 3.0 mm	ACE-xxx-2503	432,00
35 x 4.0 mm	ACE-xxx-3504	305,00
50 x 4.0 mm	ACE-xxx-0504	311,00
75 x 4.0 mm	ACE-xxx-7504	349,00
100 x 4.0 mm	ACE-xxx-1004	368,00
125 x 4.0 mm	ACE-xxx-1204	387,00
150 x 4.0 mm	ACE-xxx-1504	406,00
250 x 4.0 mm	ACE-xxx-2504	432,00
20 x 4.6 mm	ACE-xxx-0246	279,00
30 x 4.6 mm	ACE-xxx-0346	286,00
35 x 4.6 mm	ACE-xxx-3546	305,00
50 x 4.6 mm	ACE-xxx-0546	311,00
75 x 4.6 mm	ACE-xxx-7546	349,00
100 x 4.6 mm	ACE-xxx-1046	368,00
125 x 4.6 mm	ACE-xxx-1246	387,00
150 x 4.6 mm	ACE-xxx-1546	406,00
250 x 4.6 mm	ACE-xxx-2546	432,00

ACE Nano/Capillary

- Erhältlich von Kapillar (0,5 & 0,3 mm) bis Nano (100 & 75 µm)
- Lieferbar mit sämtlichen ACE Packungsmaterialien: 3, 5 & 10 µm / 100 & 300 Å
- Optimiert für den Einsatz in der LC/MS dank extrem geringem Phasenbluten
- Einfache Handhabung
- Garantierte Reproduzierbarkeit
- Hohe Lebensdauer
- Hohe Effizienz



xxx = Materialcode (3 • 5 • 10 µm)

Dimension	Best.-Nr.	€
100 x 75 µm	ACE-xxx-1000075	610,00
150 x 75 µm	ACE-xxx-1500075	610,00
250 x 75 µm	ACE-xxx-2500075	610,00
100 x 100 µm	ACE-xxx-10001	610,00
150 x 100 µm	ACE-xxx-15001	610,00
250 x 100 µm	ACE-xxx-25001	610,00
30 x 300 µm	ACE-xxx-03003	515,00
50 x 300 µm	ACE-xxx-05003	515,00
100 x 300 µm	ACE-xxx-10003	515,00
150 x 300 µm	ACE-xxx-15003	515,00
250 x 300 µm	ACE-xxx-25003	515,00
30 x 500 µm	ACE-xxx-03005	515,00
50 x 500 µm	ACE-xxx-05005	515,00
100 x 500 µm	ACE-xxx-10005	515,00
150 x 500 µm	ACE-xxx-15005	515,00
250 x 500 µm	ACE-xxx-25005	515,00

Combinatorial Chemistry Column Kits



- Je 1 Säule 50 x 4.6mm & 50 x...mm
- Optimiert für Hochdurchsatz-Verfahren der kombinatorischen Chemie

Dimension	Best.-Nr.	€
50 x 7.75 mm	ACE-xxx-0508-CCK	Anfrage
50 x 10.0 mm	ACE-xxx-0510-CCK	Anfrage
50 x 21.2 mm	ACE-xxx-0520-CCK	Anfrage

Method Development Kits

- Enthält je 1 Säule C18, C8, C4, CN & Phenyl



3 µm

Dimension	Best.-Nr.	€
20 x 2.1 mm	ACE-MDK3-0202	1.035,00
30 x 2.1 mm	ACE-MDK3-0302	1.060,00
50 x 2.1 mm	ACE-MDK3-0502	1.124,00
50 x 4.6 mm	ACE-MDK3-0546	1.800,00
150 x 4.6 mm	ACE-MDK3-1546	2.310,00

5 µm

20 x 2.1 mm	ACE-MDK5-0202	953,00
30 x 2.1 mm	ACE-MDK5-0302	972,00
50 x 2.1 mm	ACE-MDK5-0502	11.035,00
50 x 4.6 mm	ACE-MDK5-0546	1.670,00
150 x 4.6 mm	ACE-MDK5-1546	2.180,00
250 x 4.6 mm	ACE-MDK5-2546	2.310,00

Method Validation Kits

- Je 3 Säulen eines Typs

3 µm

Dimension	Best.-Nr.	€
50 x 4.6 mm	ACE-xxx-0546-MVK	1.590,00
150 x 4.6 mm	ACE-xxx-1546-MVK	2.040,00

5 µm

50 x 4.6 mm	ACE-xxx-0546-MVK	1.470,00
150 x 4.6 mm	ACE-xxx-1546-MVK	1.920,00
250 x 4.6 mm	ACE-xxx-2546-MVK	2.310,00

Selectivity Kits

enthält je 1 Säule:
HSK=C18, C8 & C4;
PSK=C18, CN & Phenyl;
CSK=C18, C18-HL & C18 300 Å

3 µm C18 = CSK
Hydrophobic = HSK Polar = PSK

Dimension	Best.-Nr.	€
50 x 4.6 mm	ACE-xxx3-0546	1.270,00
150 x 4.6 mm	ACE-xxx3-1546	1.630,00

5 µm

50 x 4.6 mm	ACE-xxx5-0546	1.180,00
150 x 4.6 mm	ACE-xxx5-1546	1.540,00
250 x 4.6 mm	ACE-xxx5-2546	1.630,00

ACE 300 Å - für die Biotechnologie

- Vollständig basendeaktiviertes, weitporiges Silica
- Unerreichte Reproduzierbarkeit
- Große Auswahl an Modifizierungen
- Vollständig validierter Herstellungsprozess
- Ultimative Wahl für die Separation von Biomolekülen
- Außergewöhnliche chemische Stabilität
- Großer pH-Bereich

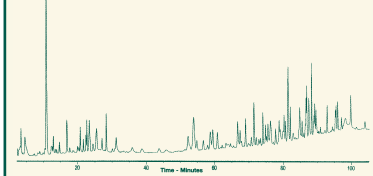


300Å 3 µm

Phase = xxx C4 = 213
C18 = 211 CN = 214
C8 = 212 Phenyl = 215

Dimension	Best.-Nr.	€
30 x 1.0 mm	ACE-xxx-0301	490,00
35 x 1.0 mm	ACE-xxx-3501	520,00
50 x 1.0 mm	ACE-xxx-0501	530,00
75 x 1.0 mm	ACE-xxx-7501	590,00
100 x 1.0 mm	ACE-xxx-1001	620,00
125 x 1.0 mm	ACE-xxx-1201	650,00
150 x 1.0 mm	ACE-xxx-1501	680,00
20 x 2.1 mm	ACE-xxx-0202	305,00
30 x 2.1 mm	ACE-xxx-0302	311,00
35 x 2.1 mm	ACE-xxx-3502	330,00
50 x 2.1 mm	ACE-xxx-0502	330,00
75 x 2.1 mm	ACE-xxx-7502	375,00
100 x 2.1 mm	ACE-xxx-1002	394,00
125 x 2.1 mm	ACE-xxx-1202	413,00
150 x 2.1 mm	ACE-xxx-1502	432,00
20 x 3.0 mm	ACE-xxx-0203	305,00
30 x 3.0 mm	ACE-xxx-0303	311,00
35 x 3.0 mm	ACE-xxx-3503	330,00
50 x 3.0 mm	ACE-xxx-0503	337,00
75 x 3.0 mm	ACE-xxx-7503	375,00
100 x 3.0 mm	ACE-xxx-1003	394,00
125 x 3.0 mm	ACE-xxx-1203	413,00
150 x 3.0 mm	ACE-xxx-1503	432,00
35 x 4.0 mm	ACE-xxx-3504	330,00
50 x 4.0 mm	ACE-xxx-0504	337,00
75 x 4.0 mm	ACE-xxx-7504	375,00
100 x 4.0 mm	ACE-xxx-1004	394,00
125 x 4.0 mm	ACE-xxx-1204	413,00
150 x 4.0 mm	ACE-xxx-1504	432,00
20 x 4.6 mm	ACE-xxx-0246	305,00
30 x 4.6 mm	ACE-xxx-0346	311,00
35 x 4.6 mm	ACE-xxx-3546	330,00
50 x 4.6 mm	ACE-xxx-0546	337,00
75 x 4.6 mm	ACE-xxx-7546	375,00
100 x 4.6 mm	ACE-xxx-1046	394,00
125 x 4.6 mm	ACE-xxx-1246	413,00
150 x 4.6 mm	ACE-xxx-1546	432,00

Appl.-No.1032: tryptischer BSA-Verdau
Säule: ACE 5 C18-300 150 x 4.6 mm



300Å 5 µm

Phase = xxx C4 = 223
C18 = 221 CN = 224
C8 = 222 Phenyl = 225

Dimension	Best.-Nr.	€
30 x 1.0 mm	ACE-xxx-0301	450,00
35 x 1.0 mm	ACE-xxx-3501	480,00
50 x 1.0 mm	ACE-xxx-0501	490,00
75 x 1.0 mm	ACE-xxx-7501	550,00
100 x 1.0 mm	ACE-xxx-1001	580,00
125 x 1.0 mm	ACE-xxx-1201	610,00
150 x 1.0 mm	ACE-xxx-1501	640,00
250 x 1.0 mm	ACE-xxx-2501	680,00
20 x 2.1 mm	ACE-xxx-0202	279,00
30 x 2.1 mm	ACE-xxx-0302	286,00
35 x 2.1 mm	ACE-xxx-3502	305,00
50 x 2.1 mm	ACE-xxx-0502	305,00
75 x 2.1 mm	ACE-xxx-7502	349,00
100 x 2.1 mm	ACE-xxx-1002	368,00
125 x 2.1 mm	ACE-xxx-1202	387,00
150 x 2.1 mm	ACE-xxx-1502	406,00
250 x 2.1 mm	ACE-xxx-2502	432,00
20 x 3.0 mm	ACE-xxx-0203	279,00
30 x 3.0 mm	ACE-xxx-0303	286,00
35 x 3.0 mm	ACE-xxx-3503	305,00
50 x 3.0 mm	ACE-xxx-0503	311,00
75 x 3.0 mm	ACE-xxx-7503	349,00
100 x 3.0 mm	ACE-xxx-1003	368,00
125 x 3.0 mm	ACE-xxx-1203	387,00
150 x 3.0 mm	ACE-xxx-1503	406,00
250 x 3.0 mm	ACE-xxx-2503	432,00
35 x 4.0 mm	ACE-xxx-3504	305,00
50 x 4.0 mm	ACE-xxx-0504	311,00
75 x 4.0 mm	ACE-xxx-7504	349,00
100 x 4.0 mm	ACE-xxx-1004	368,00
125 x 4.0 mm	ACE-xxx-1204	387,00
150 x 4.0 mm	ACE-xxx-1504	406,00
250 x 4.0 mm	ACE-xxx-2504	432,00
20 x 4.6 mm	ACE-xxx-0246	279,00
30 x 4.6 mm	ACE-xxx-0346	286,00
35 x 4.6 mm	ACE-xxx-3546	305,00
50 x 4.6 mm	ACE-xxx-0546	311,00
75 x 4.6 mm	ACE-xxx-7546	349,00
100 x 4.6 mm	ACE-xxx-1046	368,00
125 x 4.6 mm	ACE-xxx-1246	387,00
150 x 4.6 mm	ACE-xxx-1546	406,00
250 x 4.6 mm	ACE-xxx-2546	432,00

ACE Prep & Semi-Prep



- 5 µm, 10 µm & 15 µm
- 100 Å & 300 Å
- Vollständig validiert
- Batchreservierung möglich
- Hohe Wiederfindungsrate

5 µm

ACE 100 Å

C18 5 µm = 121	AQ 5 µm = 126
C8 5 µm = 122	SIL 5 µm = 127
C4 5 µm = 123	C18-AR 5 µm = 129
CN 5 µm = 124	C18-HL 5 µm = 321
Phenyl 5 µm = 125	

5 µm

ACE 300 Å

C18 5 µm = 221	CN 5 µm = 224
C8 5 µm = 222	Phenyl 5 µm = 225
C4 5 µm = 223	

Dimension	Best.-Nr.	100Å 5 µm	300Å 5 µm
50 x 7.75 mm	ACE-xxx-0508	537,00	576,00
75 x 7.75 mm	ACE-xxx-7508	576,00	625,00
100 x 7.75 mm	ACE-xxx-1008	605,00	664,00
125 x 7.75 mm	ACE-xxx-1208	644,00	712,00
150 x 7.75 mm	ACE-xxx-1508	683,00	761,00
250 x 7.75 mm	ACE-xxx-2508	830,00	947,00
50 x 10.0 mm	ACE-xxx-0510	654,00	703,00
75 x 10.0 mm	ACE-xxx-7510	722,00	771,00
100 x 10.0 mm	ACE-xxx-1010	781,00	849,00
125 x 10.0 mm	ACE-xxx-1210	839,00	927,00
150 x 10.0 mm	ACE-xxx-1510	888,00	1.005,00
250 x 10.0 mm	ACE-xxx-2510	1.132,00	1.308,00
50 x 21.2 mm	ACE-xxx-0520	1.239,00	1.396,00
75 x 21.2 mm	ACE-xxx-7520	1.425,00	1.659,00
100 x 21.2 mm	ACE-xxx-1020	1.620,00	1.923,00
125 x 21.2 mm	ACE-xxx-1220	1.815,00	2.196,00
150 x 21.2 mm	ACE-xxx-1520	2.011,00	2.459,00
250 x 21.2 mm	ACE-xxx-2520	2.772,00	3.523,00
50 x 30.0 mm	ACE-xxx-0530	2.977,00	Anfrage
75 x 30.0 mm	ACE-xxx-7530	3.318,00	Anfrage
100 x 30.0 mm	ACE-xxx-1030	3.660,00	Anfrage
125 x 30.0 mm	ACE-xxx-1230	Anfrage	Anfrage
150 x 30.0 mm	ACE-xxx-1530	4.343,00	Anfrage
250 x 30.0 mm	ACE-xxx-2530	5.758,00	Anfrage

10 & 15 µm

C18 10 µm = 131
C8 10 µm = 132
C4 10 µm = 133
CN 10 µm = 134
Phenyl 10 µm = 135

ACE 100 Å

AQ 10 µm = 136
Sil 10 µm = 137
C18-AR 10 µm = 139
C18-HL 10 µm = 331
C18-HL 15 µm = 341

10 µm

C18 10 µm = 231
C8 10 µm = 232
C4 10 µm = 233

ACE 300 Å

CN 10 µm = 234
Phenyl 10 µm = 235

Dimension	Best.-Nr.	100Å 10 µm	100Å 15 µm	300Å 10 µm
20 x 4.6 mm	ACE-xxx-0246	279,00	Anfrage	277,00
30 x 4.6 mm	ACE-xxx-0346	286,00	Anfrage	284,00
35 x 4.6 mm	ACE-xxx-3546	305,00	Anfrage	304,00
50 x 4.6 mm	ACE-xxx-0546	311,00	Anfrage	311,00
75 x 4.6 mm	ACE-xxx-7546	349,00	Anfrage	351,00
100 x 4.6 mm	ACE-xxx-1046	368,00	Anfrage	371,00
125 x 4.6 mm	ACE-xxx-1246	387,00	Anfrage	392,00
150 x 4.6 mm	ACE-xxx-1546	406,00	Anfrage	412,00
250 x 4.6 mm	ACE-xxx-2546	432,00	Anfrage	439,00
50 x 7.75 mm	ACE-xxx-0508	508,00	Anfrage	488,00
75 x 7.75 mm	ACE-xxx-7508	547,00	Anfrage	576,00
100 x 7.75 mm	ACE-xxx-1008	566,00	Anfrage	615,00
125 x 7.75 mm	ACE-xxx-1208	595,00	Anfrage	654,00
150 x 7.75 mm	ACE-xxx-1508	615,00	Anfrage	693,00
250 x 7.75 mm	ACE-xxx-2508	722,00	Anfrage	859,00
50 x 10.0 mm	ACE-xxx-0510	615,00	Anfrage	613,00
75 x 10.0 mm	ACE-xxx-7510	654,00	Anfrage	742,00
100 x 10.0 mm	ACE-xxx-1010	703,00	Anfrage	800,00
125 x 10.0 mm	ACE-xxx-1210	742,00	Anfrage	859,00
150 x 10.0 mm	ACE-xxx-1510	791,00	Anfrage	927,00
250 x 10.0 mm	ACE-xxx-2510	966,00	Anfrage	1.171,00
50 x 21.2 mm	ACE-xxx-0520	1.132,00	Anfrage	1.154,00
75 x 21.2 mm	ACE-xxx-7520	1.269,00	Anfrage	1.493,00
100 x 21.2 mm	ACE-xxx-1020	1.405,00	Anfrage	1.708,00
125 x 21.2 mm	ACE-xxx-1220	1.542,00	Anfrage	1.932,00
150 x 21.2 mm	ACE-xxx-1520	1.679,00	Anfrage	2.157,00
250 x 21.2 mm	ACE-xxx-2520	2.236,00	Anfrage	3.035,00
50 x 30.0 mm	ACE-xxx-0530	2.733,00	Anfrage	Anfrage
75 x 30.0 mm	ACE-xxx-7530	2.957,00	Anfrage	Anfrage
100 x 30.0 mm	ACE-xxx-1030	3.172,00	Anfrage	Anfrage
125 x 30.0 mm	ACE-xxx-1230	Anfrage	Anfrage	Anfrage
150 x 30.0 mm	ACE-xxx-1530	3.660,00	Anfrage	Anfrage
250 x 30.0 mm	ACE-xxx-2530	4.587,00	Anfrage	Anfrage

ACE Vorsäulenkartuschen & Zubehör



Beschreibung	No.	€		
semi-prep cart. holder	H0002	240,00	guard cartridge 0.30 (5 Stk.)	ACE-xxx-005003GD 135,00
1cm 1.0/2.1mm id integral holder	H0004	110,00	guard cartridge 0.50 (5 Stk.)	ACE-xxx-005005GD 135,00
1cm 3.2/4.6mm id integral holder	H0005	110,00	guard cartridge 1.0 (5 Stk.)	ACE-xxx-0101GD 169,00
20 mm prep cart. holder	H0006	550,00	guard cartridge 2.1 (5 Stk.)	ACE-xxx-0102GD 169,00
column coupler (FOR H0002)	C0001	30,00	guard cartridge 3.0 (5 Stk.)	ACE-xxx-0103GD 169,00
column coupler (FOR H0006)	C0002	30,00	guard cart. analytical (5 Stk.)	ACE-xxx-0103GD 169,00
			guard cart. semipreparative (3 Stk.)	ACE-xxx-0110GD 193,00
			guard cart. preparative (1 Stk.)	ACE-xxx-0220GD 549,00