



Analytical columns 0.4 cm I.D. TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	5	TR-416336	TR-416337	TR-416338	TR-416339	TR-416340
ODS-B	5	TR-416341	TR-416342	TR-416343	TR-416344	TR-416345
Si	5	TR-416356	TR-416357	TR-416358	TR-416359	TR-416360
C8	5	TR-416361	TR-416362	TR-416363	TR-416364	TR-416365
C4	5	TR-416366	TR-416367	TR-416368	TR-416369	TR-416370
C1	5	TR-416371	TR-416372	TR-416373	TR-416374	TR-416375
NH2	5	TR-416376	TR-416377	TR-416378	TR-416379	TR-416380
CN	5	TR-416381	TR-416382	TR-416383	TR-416384	TR-416385
Ph	5	TR-416386	TR-416387	TR-416388	TR-416389	TR-416390

Ultrarapid columns 0.4 cm I.D. TRACER EXCEL 120/3 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	3	TR-413460	TR-413461	TR-413462	TR-413463	TR-413464
ODS-B	3	TR-413465	TR-413466	TR-413467	TR-413468	TR-413469
Si	3	TR-413470	TR-413471	TR-413472	TR-413473	TR-413474
C8	3	TR-413475	TR-413476	TR-413477	TR-413478	TR-413479
C4	3	TR-413480	TR-413481	TR-413482	TR-413483	TR-413484
C1	3	TR-413485	TR-413486	TR-413487	TR-413488	TR-413489
NH2	3	TR-413490	TR-413491	TR-413492	TR-413493	TR-413494
CN	3	TR-413495	TR-413496	TR-413497	TR-413498	TR-413499
Ph	3	TR-413500	TR-413501	TR-413502	TR-413503	TR-413504

Analytical columns 0.46 cm I.D. TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	5	TR-016336	TR-016337	TR-016338	TR-016339	TR-016340
ODS-B	5	TR-016341	TR-016342	TR-016343	TR-016344	TR-016345
Si	5	TR-016356	TR-016357	TR-016358	TR-016359	TR-016360
C8	5	TR-016361	TR-016362	TR-016363	TR-016364	TR-016365
C4	5	TR-016366	TR-016367	TR-016368	TR-016369	TR-016370
C1	5	TR-016371	TR-016372	TR-016373	TR-016374	TR-016375
NH2	5	TR-016376	TR-016377	TR-016378	TR-016379	TR-016380
CN	5	TR-016381	TR-016382	TR-016383	TR-016384	TR-016385
Ph	5	TR-016386	TR-016387	TR-016388	TR-016389	TR-016390

Ultrarapid columns 0.46 cm I.D. TRACER EXCEL 120/4 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-B	4	TR-016351	TR-016352	TR-016353	TR-016354	TR-016355

Ultrarapid columns 0.4 cm I.D. TRACER EXCEL 120/4 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	4	TR-416346	TR-416347	TR-416348	TR-416349	TR-416350
ODS-B	4	TR-416351	TR-416352	TR-416353	TR-416354	TR-416355

Ultrarapid columns 0.46 cm I.D.

TRACER EXCEL 120/3 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	3	TR-013415	TR-013416	TR-013417	TR-013418	TR-013419
ODS-B	3	TR-013420	TR-013421	TR-013422	TR-013423	TR-013424
Si	3	TR-013425	TR-013426	TR-013427	TR-013428	TR-013429
C8	3	TR-013430	TR-013431	TR-013432	TR-013433	TR-013434
C4	3	TR-013435	TR-013436	TR-013437	TR-013438	TR-013439
C1	3	TR-013440	TR-013441	TR-013442	TR-013443	TR-013444
NH2	3	TR-013445	TR-013446	TR-013447	TR-013448	TR-013449
CN	3	TR-013450	TR-013451	TR-013452	TR-013453	TR-013454
Ph	3	TR-013455	TR-013456	TR-013457	TR-013458	TR-013459

Microbore columns 0.21 cm I.D.

TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-B	5	TR-021353	TR-021354
Si	5	TR-021395	TR-021364
C8	5	TR-021365	TR-021366
C4	5	TR-021367	TR-021368
C1	5	TR-021369	TR-021370
NH2	5	TR-021371	TR-021372
CN	5	TR-021373	TR-021374
Ph	5	TR-021375	TR-021376

Other configurations available on demand

Microbore columns 0.21 cm I.D.

TRACER EXCEL 120/3 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-A	3	TR-021407	TR-021408
ODS-B	3	TR-021409	TR-021410
Si	3	TR-021411	TR-021412
C8	3	TR-021413	TR-021414
C4	3	TR-021415	TR-021416
C1	3	TR-021417	TR-021418
NH2	3	TR-021419	TR-021420
CN	3	TR-021421	TR-021422
Ph	3	TR-021423	TR-021424

Other configurations available on demand





Analytical columns 0.3 cm I.D. TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-A	5	TR-021355	TR-021356
ODS-B	5	TR-021357	TR-021358
Si	5	TR-021381	TR-021382
C8	5	TR-021383	TR-021384
C4	5	TR-021385	TR-021386
C1	5	TR-021387	TR-021388
NH2	5	TR-021389	TR-021390
CN	5	TR-021391	TR-021392
Ph	5	TR-021393	TR-021394

Other configurations available on demand

Microbore columns 0.3 cm I.D. TRACER EXCEL 120/3 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-A	3	TR-021425	TR-021426
ODS-B	3	TR-021427	TR-021428
Si	3	TR-021429	TR-021430
C8	3	TR-021431	TR-021432
C4	3	TR-021433	TR-021434
C1	3	TR-021435	TR-021436
NH2	3	TR-021437	TR-021438
CN	3	TR-021439	TR-021440
Ph	3	TR021441	TR-021442

Other configurations available on demand

NOVAFIX™ Cartridge 0.4 cm I.D. TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m		
		7.5 cm	15 cm	25 cm
ODS-A	5	TR-015693	TR-015694	TR-015695
ODS-B	5	TR-015696	TR-015697	TR-015698
Si	5	TR-015705	TR-015706	TR-015707
C8	5	TR-015708	TR-015709	TR-015710
C4	5	TR-015714	TR-015715	TR-015716
C1	5	TR-015717	TR-015718	TR-015719
NH2	5	TR-015720	TR-015721	TR-015722
CN	5	TR-015723	TR-015724	TR-015725
Ph	5	TR-015726	TR-015727	TR-015728

Other configurations available on demand

NOVAFIX™ Cartridge 0.4 cm I.D.

TRACER EXCEL 120/3 µm

Function	µm	L e n g t h c m		
		7.5 cm	15 cm	25 cm
ODS-A	3	TR-016427	TR-016428	TR-015731
ODS-B	3	TR-015732	TR-015733	TR-015734
Si	3	TR-015735	TR-015736	TR-015737
C8	3	TR-015738	TR-015739	TR-015740
C4	3	TR-015741	TR-015742	TR-015743
C1	3	TR-015744	TR-015745	TR-015746
NH2	3	TR-015747	TR-015748	TR-015749
CN	3	TR-015750	TR-015751	TR-015752
Ph	3	TR-015753	TR-015754	TR-015755

Other configurations available on demand

Semi-preparative columns 0.78 cm I.D.

TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m	
		15 cm	25 cm
ODS-A	5	TR-016167	TR-016168
ODS-B	5	TR-016171	TR-016172
Si	5	TR-016175	TR-016176
C8	5	TR-016179	TR-016180
C4	5	TR-016183	TR-016184
C1	5	TR-016187	TR-016188
NH2	5	TR-016191	TR-016192
CN	5	TR-016195	TR-016196
Ph	5	TR-016199	TR-016200

Other configurations available on demand

Semi-preparative columns 1.0 cm I.D.

TRACER EXCEL 120/5 µm

Function	µm	L e n g t h c m	
		15 cm	25 cm
ODS-A	5	TR-016169	TR-016170
ODS-B	5	TR-016173	TR-016174
Si	5	TR-016177	TR-016178
C8	5	TR-016181	TR-016182
C4	5	TR-016185	TR-016186
C1	5	TR-016189	TR-016190
NH2	5	TR-016193	TR-016194
CN	5	TR-016197	TR-016198
Ph	5	TR-016201	TR-016202





Analytical columns 0.46 cm I.D. TRACER EXCEL 300/5 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	5	TR-016400	TR-016401	TR-016402	TR-016403	TR-016404
C8	5	TR-016400	TR-016406	TR-016407	TR-016408	TR-016409
C4	5	TR-016400	TR-016411	TR-016412	TR-016413	TR-016414

Analytical columns 0.4 cm I.D. TRACER EXCEL 300/5 µm

Function	µm	L e n g t h c m				
		4 cm	10 cm	15 cm	20 cm	25 cm
ODS-A	5	TR-416400	TR-416401	TR-416402	TR-416403	TR-416404
C8	5	TR-416405	TR-416406	TR-416407	TR-416408	TR-416409
C4	5	TR-416410	TR-416411	TR-416412	TR-416413	TR-416414

Analytical columns 0.21 cm I.D. TRACER EXCEL 300/5 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-A	5	TR-012395	TR-012396
C8	5	TR-012397	TR-012398
C4	5	TR-012399	TR-012400

Analytical columns 0.3 cm I.D. TRACER EXCEL 300/5 µm

Function	µm	L e n g t h c m	
		10 cm	20 cm
ODS-A	5	TR-021401	TR-021402
C8	5	TR-021403	TR-021404
C4	5	TR-021405	TR-021406

NOVAFIX™ Cartridge System 0.4 cm I.D. TRACER EXCEL 300/5 µm

Function	µm	L e n g t h c m		
		7.5 cm	15 cm	25 cm
ODS-A	5	TR-416417	TR-416418	TR-416419
C8	5	TR-416420	TR-416421	TR-416422
C4	5	TR-416423	TR-416424	TR-416425

For Guard Columns please refer to pages 209-211

Analytical columns Tracer EXTRASIL

Function			D i m e n s i o n s								
Particle size (µm)		10 x 0.46 cm	10 x 0.4 cm	12.5 x 0.46 cm	12.5 x 0.4 cm	15 x 0.46 cm	15 x 0.4 cm	20 x 0.46 cm	20 x 0.4 cm	25 x 0.46 cm	25 x 0.4 cm
ODS1	5	TR-016050	TR-416050	TR-016051	TR-416051	TR-016052	TR-416052	TR-016053	TR-416053	TR-016054	TR-416054
ODS2	5	TR-016055	TR-416055	TR-016056	TR-416056	TR-016057	TR-416057	TR-016058	TR-416058	TR-016059	TR-416059
Si	5	TR-016060	TR-416060	TR-016061	TR-416061	TR-016062	TR-416062	TR-016063	TR-416063	TR-016064	TR-416064
C1	5	TR-016065	TR-416065	TR-016066	TR-416066	TR-016067	TR-416067	TR-016068	TR-416068	TR-016069	TR-416069
C6	5	TR-016070	TR-416070	TR-016071	TR-416071	TR-016072	TR-416072	TR-016073	TR-416073	TR-016074	TR-416074
C8	5	TR-016075	TR-416075	TR-016076	TR-416076	TR-016077	TR-416077	TR-016078	TR-416078	TR-016079	TR-416079
CN	5	TR-016080	TR-416080	TR-016081	TR-416081	TR-016082	TR-416082	TR-016083	TR-416083	TR-016084	TR-416084
NH2	5	TR-016085	TR-416085	TR-016086	TR-416086	TR-016087	TR-416087	TR-016088	TR-416088	TR-016089	TR-416089
Phenyl	5	TR-016090	TR-416090	TR-016091	TR-416091	TR-016092	TR-416092	TR-016093	TR-416093	TR-016094	TR-416094
SAX	5	TR-016095	TR-416095	TR-016096	TR-416096	TR-016097	TR-416097	TR-016098	TR-416098	TR-016099	TR-416099
SCX	5	TR-016100	TR-416100	TR-016101	TR-416101	TR-016102	TR-416102	TR-016103	TR-416103	TR-016104	TR-416104
ODS1	10	TR-016105	TR-416105	TR-016106	TR-416106	TR-016107	TR-416107	TR-016108	TR-416108	TR-016109	TR-416109
ODS2	10	TR-016110	TR-416110	TR-016111	TR-416111	TR-016112	TR-416112	TR-016113	TR-416113	TR-016114	TR-416114
Si	10	TR-016115	TR-416115	TR-016116	TR-416116	TR-016117	TR-416117	TR-016118	TR-416118	TR-016119	TR-416119
C1	10	TR-016156	TR-416156	TR-016157	TR-416157	TR-016158	TR-416158	TR-016159	TR-416159	TR-016160	TR-416160
C6	10	TR-016120	TR-416120	TR-016121	TR-416121	TR-016122	TR-416122	TR-016123	TR-416123	TR-016124	TR-416124
C8	10	TR-016125	TR-416125	TR-016126	TR-416126	TR-016127	TR-416127	TR-016128	TR-416128	TR-016129	TR-416129
CN	10	TR-016130	TR-416130	TR-016131	TR-416131	TR-016132	TR-416132	TR-016133	TR-416133	TR-016134	TR-416134
NH2	10	TR-016135	TR-416135	TR-016136	TR-416136	TR-016137	TR-416137	TR-016138	TR-416138	TR-016139	TR-416139
SAX	10	TR-016151	TR-416151	TR-016152	TR-416152	TR-016153	TR-416153	TR-016154	TR-416154	TR-016155	TR-416155
SCX	10	TR-016146	TR-416146	TR-016147	TR-416147	TR-016148	TR-416148	TR-016149	TR-416149	TR-016150	TR-416150

Ultrarapid columns Tracer EXTRASIL

Function			D i m e n s i o n s								
Particle size (µm)		4 x 0.46 cm	4 x 0.4 cm	10 x 0.46 cm	10 x 0.4 cm	15 x 0.46 cm	15 x 0.4 cm	20 x 0.46 cm	20 x 0.4 cm	25 x 0.46 cm	25 x 0.4 cm
ODS 1	3	TR-013200	TR-413200	TR-013201	TR-413201	TR-013202	TR-413202	TR-013203	TR-413203	TR-013204	TR-413204
ODS 2	3	TR-013205	TR-413205	TR-013206	TR-413206	TR-013207	TR-413207	TR-013208	TR-413208	TR-013209	TR-413209
Si	3	TR-013210	TR-413210	TR-013211	TR-413211	TR-013212	TR-413212	TR-013213	TR-413213	TR-013214	TR-413214
C1	3	TR-013215	TR-413215	TR-013216	TR-413216	TR-013217	TR-413217	TR-013218	TR-413218	TR-013219	TR-413219
C6	3	TR-013220	TR-413220	TR-013221	TR-413221	TR-013222	TR-413222	TR-013223	TR-413223	TR-013224	TR-413224
C8	3	TR-013226	TR-413226	TR-013227	TR-413227	TR-013228	TR-413228	TR-013229	TR-413229	TR-013230	TR-413230
CN	3	TR-013231	TR-413231	TR-013232	TR-413232	TR-013233	TR-413233	TR-013234	TR-413234	TR-013235	TR-413235
NH2	3	TR-013236	TR-413236	TR-013237	TR-413237	TR-013238	TR-413238	TR-013239	TR-413239	TR-013240	TR-413240
Phenyl	3	TR-013241	TR-413241	TR-013242	TR-413242	TR-013243	TR-413243	TR-013244	TR-413244	TR-013245	TR-413245

Semi-Preparative columns Tracer EXTRASIL

Function	D i m e n s i o n s			
	Particle size (µm)	15 x 0.7 cm	25 x 0.7 cm	15 x 1.0 cm 25 x 1.0 cm
ODS1	5	TR-014501	TR-014502	TR-014503 TR-014504
ODS2	5	TR-014505	TR-014506	TR-014507 TR-014508
Si	5	TR-014509	TR-014510	TR-014511 TR-014512
C1	5	TR-014513	TR-014514	TR-014515 TR-014516
C6	5	TR-014517	TR-014518	TR-014519 TR-014520
C8	5	TR-014521	TR-014522	TR-014523 TR-014524
CN	5	TR-014525	TR-014526	TR-014527 TR-014528
NH2	5	TR-014529	TR-014530	TR-014531 TR-014532
Phenyl	5	TR-014533	TR-014534	TR-014535 TR-014536
SAX	5	TR-014537	TR-014538	TR-014539 TR-014540
SCX	5	TR-014541	TR-014542	TR-014543 TR-014544
ODS1	10	TR-014545	TR-014546	TR-014547 TR-014548
ODS2	10	TR-014549	TR-014550	TR-014551 TR-014552
Si	10	TR-014553	TR-014554	TR-014555 TR-014556
C6	10	TR-014557	TR-014558	TR-014559 TR-014560
CN	10	TR-014565	TR-014566	TR-014567 TR-014568
NH2	10	TR-014569	TR-014570	TR-014571 TR-014572
Phenyl	10	TR-014573	TR-014574	TR-014575 TR-014576
SAX	10	TR-014577	TR-014578	TR-014579 TR-014580
SCX	10	TR-014581	TR-014582	TR-014583 TR-014584

Microbore columns Tracer EXTRASIL

Function	D i m e n s i o n s			
	Particle size (µm)	10 x 0.21 cm	20 x 0.21 cm	10 x 0.3 cm 20 x 0.3 cm
ODS1	5	TR-021200	TR-021201	TR-021236 TR-021237
ODS2	5	TR-021202	TR-021203	TR-021238 TR-021239
Si	5	TR-021204	TR-021205	TR-021240 TR-021241
C1	5	TR-021206	TR-021212	TR-021242 TR-021243
C6	5	TR-021207	TR-021208	TR-021244 TR-021245
C8	5	TR-021209	TR-021210	TR-021246 TR-021247
CN	5	TR-021211	TR-021213	TR-021248 TR-021249
NH2	5	TR-021214	TR-021215	TR-021250 TR-021251
Phenyl	5	TR-021216	TR-021217	TR-021252 TR-021253
SAX	5	TR-021218	TR-021219	TR-021254 TR-021255
SCX	5	TR-021220	TR-021221	TR-021256 TR-021257

Novafix™ Cartridge Tracer EXTRASIL

Function	D i m e n s i o n s		
	Particle size (µm)	7.5 x 0.4 cm	15 x 0.4 cm 25 x 0.4 cm
ODS1	3	TR-015666	TR-015667 TR-015668
ODS2	3	TR-015669	TR-015670 TR-015671
Si	3	TR-015672	TR-015673 TR-015674
C1	3	TR-015675	TR-015676 TR-015677
C6	3	TR-015678	TR-015679 TR-015680
C8	3	TR-015681	TR-015682 TR-015683
CN	3	TR-015684	TR-015685 TR-015686
NH2	3	TR-015687	TR-015688 TR-015689
Phenyl	3	TR-015690	TR-015691 TR-015692
ODS1	5	TR-015600	TR-015601 TR-015602
ODS2	5	TR-015603	TR-015604 TR-015605
Si	5	TR-015606	TR-015607 TR-015608
C1	5	TR-015609	TR-015610 TR-015611
C6	5	TR-015612	TR-015613 TR-015614
C8	5	TR-015615	TR-015616 TR-015617
CN	5	TR-015618	TR-015619 TR-015620
NH2	5	TR-015621	TR-015622 TR-015623
Phenyl	5	TR-015624	TR-015625 TR-015626
SCX	5	TR-015627	TR-015628 TR-015629
SAX	5	TR-015630	TR-015631 TR-015632
ODS1	10	TR-015633	TR-015634 TR-015635
ODS2	10	TR-015636	TR-015637 TR-015638
Si	10	TR-015639	TR-015640 TR-015641
C1	10	TR-015642	TR-015643 TR-015644
C6	10	TR-015645	TR-015646 TR-015647
CN	10	TR-015651	TR-015652 TR-015653
NH2	10	TR-015654	TR-015655 TR-015656
SCX	10	TR-015660	TR-015661 TR-015662
SAX	10	TR-015663	TR-015664 TR-015665

TEKNOKROMA CAN SUPPLY OTHER COMBINATIONS OF DIAMETER AND LENGTH ON APPLICATION

For Guard Columns please refer to pages 209-211

Superspher - Tracer Carbohydrates Tk



A totally porous spherical packing, with a particle size of 4µm, giving a compromise alternative between the packings of 3 and 5µm.

Novafix™ Cartridge SUPERSPHER

Function	Particle size (µm)	D i m e n s i o n s		
		7.5 x 0.4 cm	15 x 0.4 cm	25 x 0.4 cm
Si 60	4	TR-015262	TR-015263	TR-015264
60 RP-8	4	TR-015265	TR-015266	TR-015267
100 RP-18	4	TR-015268	TR-015269	TR-015270
60 RP-8 ec	4	TR-015271	TR-015272	TR-015273
100 RP-18 ec	4	TR-015274	TR-015275	TR-015276

Analytical columns SUPERSPHER

Function	Particle size (µm)	D i m e n s i o n s									
		10 x 0.46 cm	10 x 0.4 cm	12.5 x 0.46 cm	12.5 x 0.4 cm	15 x 0.46 cm	15 x 0.4 cm	20 x 0.46 cm	20 x 0.4 cm	25 x 0.46 cm	25 x 0.4 cm
Si 60	4	TR-011701	TR-411701	TR-011703	TR-411703	TR-011705	TR-411705	TR-011707	TR-411707	TR-011709	TR-411709
60 RP-8	4	TR-011711	TR-411711	TR-011713	TR-411713	TR-011715	TR-411715	TR-011717	TR-411717	TR-011719	TR-411719
100 RP-18	4	TR-011721	TR-411721	TR-011723	TR-411723	TR-011725	TR-411725	TR-011727	TR-411727	TR-011729	TR-411729
60 RP-8 ec	4	TR-011731	TR-411731	TR-011733	TR-411733	TR-011735	TR-411735	TR-011737	TR-411737	TR-011739	TR-411739
100 RP-18 ec	4	TR-011741	TR-411741	TR-011743	TR-411743	TR-011745	TR-411745	TR-011747	TR-411747	TR-011749	TR-411749

For Guard Columns please refer to pages 209-211

For precolumns of cartridge system Novafix please refer to page 205.



Tracer Carbohydrates

Tracer Carbohydrates column is based on a Polymeric Coating Chemically Bonded Silica Base packing, that includes in its structure primary amino groups.

This polymeric coating protects surface silica packing against attacks coming from aqueous/organic mobile phases used in the separation of sugars.

Keeping the selectivity of a conventional NH₂ column, Tracer Carbohydrates have a longer lifetime. This column can be also washed with eluents lightly basic to eliminate acidic impurities irreversibly linked with the packing that degrade very quickly any standard NH₂ columns.

- Higher Stability
- Better resolution in disaccharides analysis

Carbohydrates Columns

Designed for Carbohydrates Analysis

Reference	Description	Particle Size	Dimensions
µm	cm		
TR-016804	Tracer Carbohydrates	5 µm	15 x 0.46 cm
TR-016805	Tracer Carbohydrates	5 µm	25 x 0.46 cm

Sugars Separation

Column: TR-016805, Tracer Carbohydrates, 4.6 x 250 mm
 Eluent: 75/25 acetonitrile/water
 Flow: 1.0 ml/min
 Temperature: Ambient
 Detector: IR

