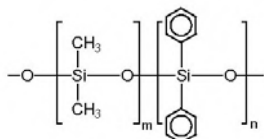




TRB-5ms

(95%) Dimethyl-(5%) diphenylpolysiloxane, bonded and crosslinked phase.

- The TRB-5ms Column uses the same stationary phase as TRB-5, but the polymer synthesis process, the capillary deactivation technique and the bonding and crosslinking procedures have been optimized to obtain the minimum possible bleeding level and an exceptional chemical inertness
- The bleeding specifications for a column of 30m x 0,25 mm x 0,25 μm (P/N 520232) indicate that it is lower than 4 pA at 325°C
- Column recommended to work with any selective detector
- Ideal column to connect with a mass detector. Its ultra-low bleeding joined to its high chemical inertness allows for a better signal/noise ratio (higher sensitivity level), and therefore better detection and quantification of sample components at low concentrations.



Structure of Poly(dimethyldiphenyl)siloxane

TRB-5ms Equivalent Phase

Restek: Rtx 5ms, Rxi-5ms

Agilent/JW: HP-5MS

Supelco: PTE-5, Equity-5

Macherey-Nagel: OPTIMA-5ms

Varian: CP-Sil8-MS

TRB-5ms

Internal Diam.(mm)	Length (m)	Film Thickness (μm)	Temp limits ($^{\circ}\text{C}$)	Part. N°. (P/N)
0,10	10	0,10	-60 to 325-350	TR-520141
	10	0,40	-60 to 325-350	TR-520441
	20	0,10	-60 to 325-350	TR-520181
	20	0,40	-60 to 325-350	TR-520481
0,18	20	0,18	-60 to 325-350	TR-520984
	40	0,18	-60 to 325-350	TR-5209C4
0,20	12	0,33	-60 to 325-350	TR-5233B9
	15	0,33	-60 to 325-350	TR-523319
	25	0,33	-60 to 325-350	TR-523329
	30	0,33	-60 to 325-350	TR-523339
	50	0,33	-60 to 325-350	TR-523359
	60	0,33	-60 to 325-350	TR-523369
	60	0,33	-60 to 325-350	TR-523369
0,25	15	0,10	-60 to 325-350	TR-520112
	15	0,25	-60 to 325-350	TR-520212
	15	1,00	-60 to 325-350	TR-521012
	30	0,10	-60 to 325-350	TR-520132
	30	0,25	-60 to 325-350	TR-520232
	30	1,00	-60 to 325-350	TR-521032
	60	0,10	-60 to 325-350	TR-520162
	60	0,25	-60 to 325-350	TR-520262
	60	1,00	-60 to 325-350	TR-521062
	60	1,00	-60 to 325-350	TR-521062
0,32	15	0,10	-60 to 325-350	TR-520113
	15	0,25	-60 to 325-350	TR-520213
	15	0,50	-60 to 325-350	TR-520513
	15	1,00	-60 to 325-350	TR-521013
	30	0,10	-60 to 325-350	TR-520133
	30	0,25	-60 to 325-350	TR-520233
	30	0,50	-60 to 325-350	TR-520533
	30	1,00	-60 to 325-350	TR-521033
	60	0,10	-60 to 325-350	TR-520163
	60	0,25	-60 to 325-350	TR-520263
	60	0,50	-60 to 325-350	TR-520563
	60	1,00	-60 to 325-350	TR-521063
	60	1,00	-60 to 325-350	TR-521063
0,53	15	0,50	-60 to 320-340	TR-520515
	15	1,00	-60 to 320-340	TR-521015
	15	1,50	-60 to 310-330	TR-521515
	30	0,50	-60 to 320-340	TR-520535
	30	1,00	-60 to 320-340	TR-521035
	30	1,50	-60 to 310-330	TR-521535
	30	1,50	-60 to 310-330	TR-521535

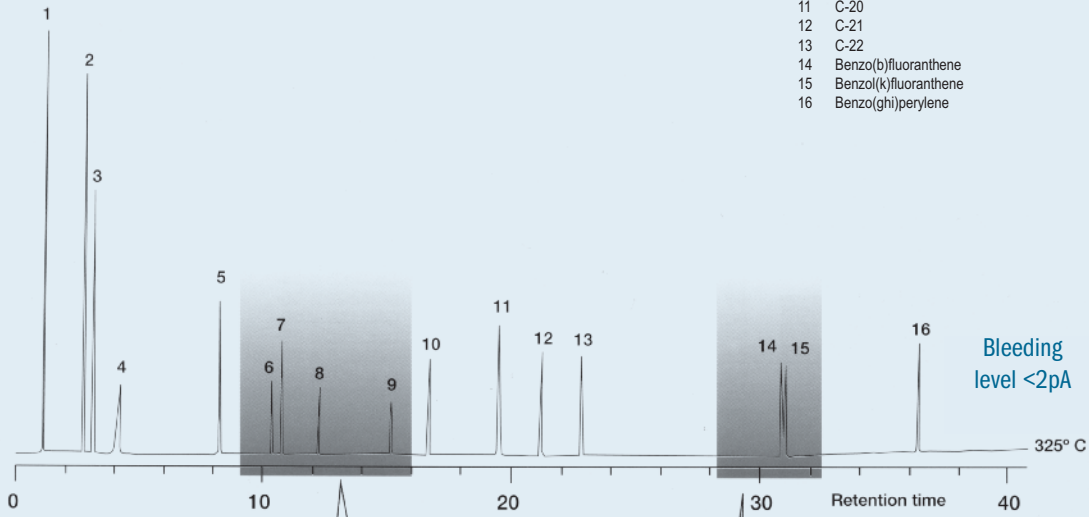
The TRB-5MS column has an excellent resolution and symmetry in all its polarity range, for neutral, acid and basic compounds. All these substances that appear in the analysis of semivolatle traces (for example, EPA official methods) can be analyzed in only one column.

Test MX5

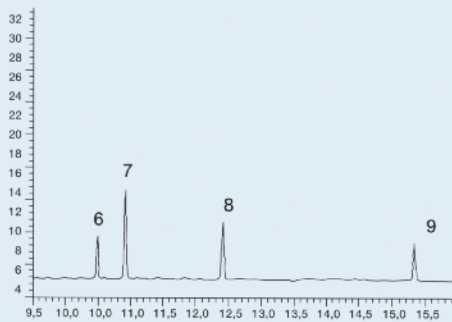
Column: **TRB-5ms**, P/N TR-520232
 Dimensions: 30 m x 0,25 mm x 0,25 μ m
 Injection: 1 μ l, split (1:100), 5 to 10 ng/comp. on column, 280°C
 Carrier gas: H₂, 12 psi (87,7 kPa)
 Oven temp.: 100°C to 325°C (5 min.) @ 6°C/min.
 Detector: FID to 300°C
 Sample: Test MX5

Peak Name

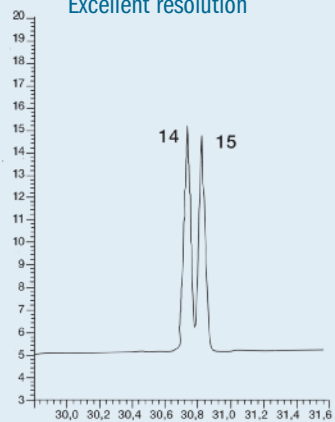
- 1 Methylene chloride
- 2 1,2-Hexanediol
- 3 Nitroso-di-n-propylamine
- 4 Benzoic acid
- 5 C-14
- 6 2,4-Dinitrophenol
- 7 4-Nitrophenol
- 8 4-Nitroaniline
- 9 Pentachlorophenol
- 10 Carbazole
- 11 C-20
- 12 C-21
- 13 C-22
- 14 Benzo(b)fluoranthene
- 15 Benzo(k)fluoranthene
- 16 Benzo(ghi)perylene



Injection of 1ng/peak on column
 Exceptional symmetry



Excellent resolution



TKG 1112