

ZB-50 GC Columns



- **Temperature Limits: 40 to 320/340 °C (Isothermal/TPGC)**
- **High polarity column with temperature limits up to 340 °C allows high-temperature bake-out to remove contaminants**
- **Excellent inertness to minimize analyte adsorption, improve efficiency, and reproducibility**
- **More rugged (longer column life) than other polar phases**
- **Excellent for trace analysis with bleed-sensitive detectors**
- **Great for drug screening and environmental compounds**
- **Equivalent to USP Phase G3**

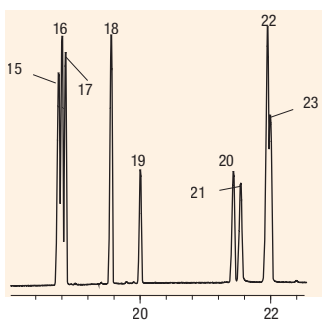
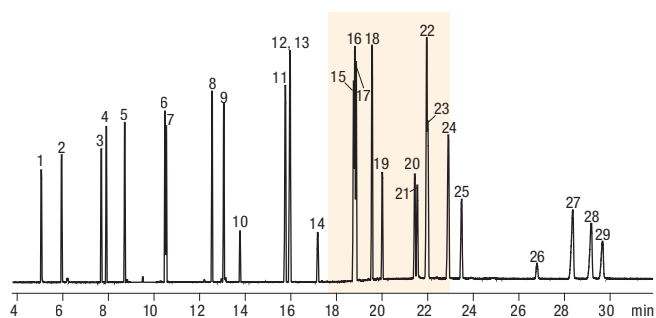
Applications

Antidepressants	Glycols	Steroids
Drugs of Abuse	Pesticides/Herbicides	Aroclors
EPA Methods 508, 608, 8081, 8141, 8151	Triglycerides	Cholesterols

Alternative to Any 50 %-Phenyl- 50 %-Dimethylpolysiloxane Phase:

DB-17	Rtx-50	SPB-50	CP-Sil 24 CB	AT-50	DB-17ms	SPB-17
HP-50+	DB-17ht	SP-2250	BPX50	007-17	DB-17 EVDX	

Column Profile



App ID: 16090

PAHs including European Analytes

- Column:** Zebtron ZB-50
- Dimensions:** 30 meter x 0.25 mm x 0.25 μm
- Part No.:** 7HG-G004-11
- Injection:** Pulsed Splitless for 0.5 min @ 320 °C, 1 μL
- Carrier Gas:** Helium @ 1.2 mL/min (constant flow)
- Oven Program:** 80 °C to 265 °C @ 15 °C/min to 290 °C @ 5 °C/min to 330 °C at 20 °C/min for 15 min
- Detector:** MSD @ 330 °C; 45-450 amu
- Sample:**
- | | |
|---------------------------|------------------------------|
| 1. Naphthalene | 16. Benzo[k]fluoranthene |
| 2. 2-Methylnaphthalene | 17. Benzo[j]fluoranthene |
| 3. Acenaphthalene | 18. Benzo[a]pyrene |
| 4. Acenaphthene | 19. 3-Methylcholanthrene |
| 5. Fluorene | 20. Dibenz[a,h]acridine |
| 6. Phenanthrene | 21. Dibenz[a,j]acridine |
| 7. Anthracene | 22. Dibenz[a,h]anthracene |
| 8. Fluoranthene | 23. Indeno[1,2,3-cd]pyrene |
| 9. Pyrene | 24. Benzo[g,h,i]perylene |
| 10. Benzo[c]fluorene | 25. 7H-Dibenzo[c,g]carbazole |
| 11. Benz[a]anthracene | 26. Dibenzo[a,i]pyrene |
| 12. Chrysene | 27. Dibenzo[a,e]pyrene |
| 13. Cyclopenta[c,d]pyrene | 28. Dibenzo[a,i]pyrene |
| 14. 5-Methylchrysene | 29. Dibenzo[a,h]pyrene |
| 15. Benzo[b]fluoranthene | |

Ordering Information

ID (mm)	df (μm)	Temp. Limits °C	Part No.
15-Meter			
0.25	0.15	40 to 320/340	7EG-G004-05
0.25	0.25	40 to 320/340	7EG-G004-11
0.32	0.25	40 to 320/340	7EM-G004-11
0.32	0.50	40 to 320/340	7EM-G004-17
0.53	1.00	40 to 320/340	7EK-G004-22

ID (mm)	df (μm)	Temp. Limits °C	Part No.
30-Meter			
0.25	0.25	40 to 320/340	7HG-G004-11
0.25	0.50	40 to 320/340	7HG-G004-17
0.32	0.25	40 to 320/340	7HM-G004-11
0.32	0.50	40 to 320/340	7HM-G004-17
0.53	1.00	40 to 320/340	7HK-G004-22

ID (mm)	df (μm)	Temp. Limits °C	Part No.
60-Meter			
0.25	0.25	40 to 320/340	7KG-G004-11
0.25	0.50	40 to 320/340	7KG-G004-17
0.32	0.25	40 to 320/340	7KM-G004-22
Test Mix			
Zebtron	ZB-50		AG0-5157



If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G004-11-B.



PROTECT YOUR GC COLUMN. TRY Z-GUARD WITH YOUR NEXT ZEBRON ORDER.