

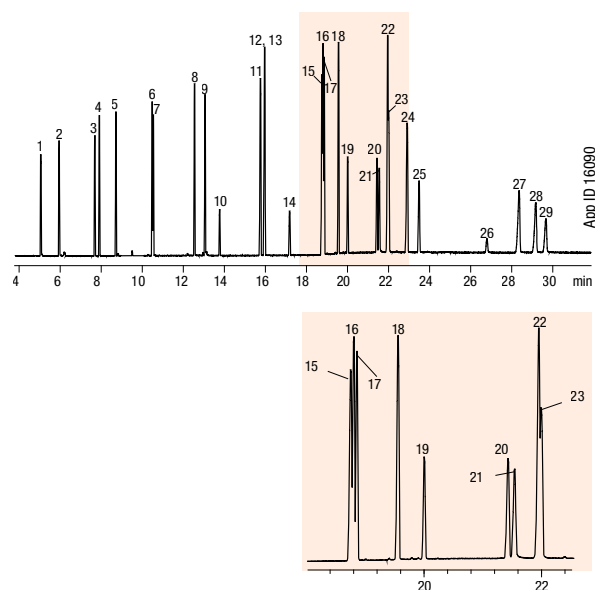
ZB-50

- 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
- Temperature Limits: 40 to 320/340 °C (Isothermal/TPGC)

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

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

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 @ 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. Benzo[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 | |

Column Profile



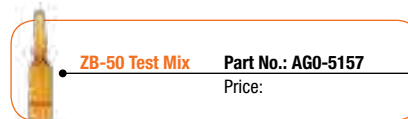
Applications

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

Ordering Information

Zebtron ZB-50 GC Columns				
ID(mm)	df(µm)	Temp. Limits °C	Part No.	Price
10-Meter				
0.10	0.10	40 to 320/340	7CB-G004-02	
0.53	2.00	40 to 320/340	7CK-G004-32	
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	
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	
60-Meter				
0.25	0.25	40 to 320/340	7KG-G004-11	
0.25	0.50	40 to 320/340	7KG-G004-17	

Note: If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G004-11-B. Some exceptions may apply. Agilent 6850 and some SRI and process GC systems use only 5 in. cages. See p. 91.



ZB-50 Test Mix Part No.: AGO-5157
Price:



Contact Phenomenex or your local Phenomenex distributor for additional GC products and applications.



Extend column lifetime. Add a Z-guard to your next Zebtron GC order.