

# Zebtron® GC Columns



## ZB-5ms

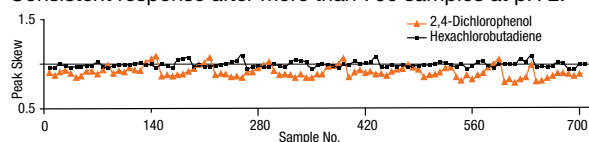
- A popular and rugged GC column for general use
- Arylene Matrix Technology™ (AMT) provides a highly stable arylene phase
- Low bleed (MS Certified) especially suited to high sensitivity work using GC/MS
- Fully conditioned within 35 minutes
- High response for acids and bases
- Enhanced resolution of Polyaromatic Hydrocarbons (PAHs) and other multi-ring aromatic compounds
- Equivalent to USP Phase G27
- Temperature Limits: -60 to 325/350 °C (Isothermal/TPGC)

Alternative to Any MS-Certified 5%-Phenyl-Arylene-95%-Dimethylpolysiloxane Phase:

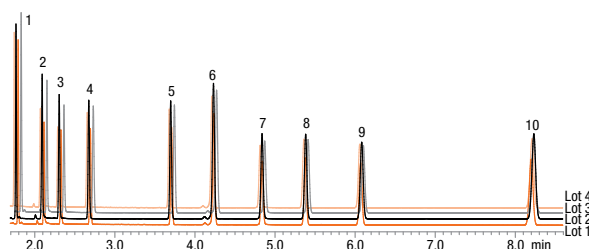
- DB-5ms
- DB-5ms EVDX
- VF-5ms
- CP-Sil 8 CB MS
- DB-5.625
- Rtx-5Sil MS
- Rxi-5Sil MS

## Long Lifetime

Consistent response after more than 700 samples at pH 2!



## Reproducible Results



**Column:** Zebtron ZB-5ms  
**Dimensions:** 30 meter x 0.25 mm x 0.25 µm  
**Part No.:** 7HG-G010-11  
**Injection:** Split 1:100 @ 250 °C, 1.4 µL  
**Carrier Gas:** Hydrogen @ 140 °C, 40 cm/sec  
**Oven Program:** 140 °C (Isothermal)  
**Detector:** FID @ 325 °C  
**Sample:**

1. Decane
2. 2-Ethylhexanoic Acid
3. 1,6-Hexanediol
4. 4-Chlorophenol
5. Tridecane
6. 1-Methylnaphthalene
7. 1-Undecanol
8. Tetradecane
9. Dicyclohexylamine
10. Pentadecane

If Zebtron columns do not provide you with equivalent or better separations as compared to any other GC column of the same phase and comparable dimensions, return the column with comparative data within 45 days for a FULL REFUND.

## Column Profile

Low High

Polarity 8

Bleed

Temperature Limits

Stability

## Applications

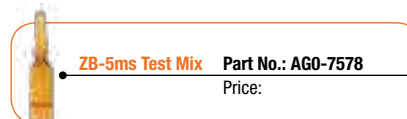
- Acids
- Alkaloids
- Amines
- Dioxins
- Drugs
- Essential Oils/Flavors
- FAMES
- Halo-hydrocarbons
- PCBs/Aroclors
- Phenols
- Residual Solvents
- Semi-volatiles
- Solvent Impurities
- Pesticides/Herbicides

## Ordering Information

### Zebtron ZB-5ms GC Columns

ID (mm)	df (µm)	Temp. Limits °C	Part No.	Price
<b>10-Meter</b>				
0.10	0.10	-60 to 325/350	7CB-G010-02	
0.18	0.18	-60 to 325/350	7CD-G010-08	
<b>12-Meter</b>				
0.20	0.33	-60 to 325/350	7DE-G010-14	
<b>15-Meter</b>				
0.25	0.25	-60 to 325/350	7EG-G010-11	
<b>20-Meter</b>				
0.18	0.18	-60 to 325/350	7FD-G010-08	
0.18	0.32	-60 to 325/350	7FD-G010-51	
0.18	0.36	-60 to 325/350	7FD-G010-53	
<b>25-Meter</b>				
0.20	0.33	-60 to 325/350	7GE-G010-14	
<b>30-Meter</b>				
0.25	0.25	-60 to 325/350	7HG-G010-11	
0.25	0.50	-60 to 325/350	7HG-G010-17	
0.25	1.00	-60 to 325/350	7HG-G010-22	
0.32	0.25	-60 to 325/350	7HM-G010-11	
0.32	0.50	-60 to 325/350	7HM-G010-17	
0.32	1.00	-60 to 325/350	7HM-G010-22	
<b>60-Meter</b>				
0.25	0.10	-60 to 325/350	7KG-G010-02	
0.25	0.25	-60 to 325/350	7KG-G010-11	
0.32	0.25	-60 to 325/350	7KM-G010-11	

Note: If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G010-11-B. Some exceptions may apply. Agilent 6850 and some SRI and process GC systems use only 5 in. cages. See p. 91.



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.**