

# Meet the New GC

We've given the Zebron portfolio a smart makeover that makes it simpler than ever to choose your column. Explore the Zebron Essentials Collection inside!



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Featured GC Collection

# Zebron™ Essentials

**Zebron™**  
GC Columns

## What are Zebron Essentials?

These GC column phases are a collection of tried-and-true selectivities that are essential to the method developer. From ZB-1 to ZB-WAX, there's a Zebron Essentials GC column to suit your method!



Zebron Essentials Phase	Composition	Temp. Limits (°C)	Recommended Applications	MS Certified
<b>ZB-1</b> Low polarity phase for boiling point separations	100 % Dimethylpolysiloxane	-60 to 360/370* *thicker films (≥ 1.0 µm) are rated to 340/360	Ethanol, Hydrocarbons, Mercaptans, MTBE, Natural Gas Odorants, Oxygenates and GROs, Solvent Impurities, Sulfur Compounds (Light)	✓
<b>ZB-1ms</b> Very low bleed for GC/MS analyses	100 % Dimethylpolysiloxane	-60 to 360/370	Acids, Amines, Drugs, EPA Methods (1668), Essential Oils, Flavors & Fragrances, Oxygenates and GROs, PCBs, Pesticides, Solvent Impurities, Sulfur Compounds (Light)	✓
<b>ZB-5</b> Well-suited for a wide variety of applications	5 % Phenyl 95 % Dimethylpolysiloxane	-60 to 360/370* *thicker films (≥ 1.0 µm) are rated to 340/360	Alkaloids, Dioxins, Drugs, Essential Oils, Flavors, Halo-Hydrocarbons, Herbicides, PCBs / Aroclors, Pesticides, Phenols	✓
<b>ZB-5ms</b> Most popular starting column for method developers	5 % Phenyl-Arylene 95 % Dimethylpolysiloxane	-60 to 325/350	Alkaloids, Dioxins, Essential Oils, Halo-hydrocarbons, Herbicides, PCBs/Aroclors, Pesticides, Solvent Impurities	✓
<b>ZB-35</b> Rugged, inert, intermediate polarity phase	35 % Phenyl 65 % Dimethylpolysiloxane	40 to 340/360	Amines, Drugs, EPA Methods (508, 608, 8081, 8141, 8151), PCBs / Aroclors, Pesticides, Pharmaceuticals	✓
<b>ZB-50</b> Inert high polarity column with temperature limits up to 340 °C	50 % Phenyl 50 % Dimethylpolysiloxane	40 to 320/340	Amines, Drugs, EPA Methods (508, 608, 8081, 8141, 8151), PCBs / Aroclors, Pesticides, Pharmaceuticals	✓
<b>ZB-624</b> Recommended for VOC and residual solvent separations	6 % Cyanopropylphenyl 94 % Dimethylpolysiloxane	-20 to 260	Pharmaceuticals, Residual Solvents, Volatile Organic Compounds (VOCs), EPA Methods (501.3, 502.2, 503.1, 524.2, 601, 602, 624, 8010, 8015, 8020, 8021, 8240, 8260)	
<b>ZB-1701</b> Alternate selectivity to phenyl phases with similar polarity	14 % Cyanopropylphenyl 86 % Dimethylpolysiloxane	-20 to 280/300* *thicker films (≥ 1.0 µm) are rated to 260/280	Alcohols, Amines, Aromatic Hydrocarbons, Drugs, Esters, PCBs, Pharmaceutical Intermediates, Solvents, Steroids, TMS Sugars, Tranquilizers	✓
<b>ZB-WAX</b> Bonded, solvent rinseable phase excellent for separating polar complex mixtures	Polyethylene glycol	40 to 250/260	Alcohols, Aldehydes, Aromatics, Basic Compounds, Essential Oils, Flavors & Fragrances, Glycols, Pharmaceuticals, Solvents, Styrene, Xylene Isomers	
<b>ZB-FFAP</b> Good peak shape for underivatized acids and alcohols	Nitroterephthalic acid modified polyethylene glycol	40 to 250/260	Acrylates, Alcohols, Aldehydes, Free Fatty Acids, Ketones, Organic Acids, Phenols, Volatile Free Acids	✓
<b>ZB-XLB</b> Alternative selectivity to 5-type phases with extra low bleed	Proprietary extra low bleed phase	30 to 340/360* *thicker films (≥ 1.0 µm) are rated to 320/340	Herbicides / Insecticides, PCBs, Pesticides, Unknown Samples	

For part numbers, applications, and more information visit  
[www.phenomenex.com/EssentialsGC](http://www.phenomenex.com/EssentialsGC)