

# ZORBAX HPLC COLUMNS

For detailed information contact  
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## ZORBAX HPLC COLUMNS

email info@winlab.com.au or call Ph: +61 7 3205 5233 - Fx: +61 7 3205 1209

### Features

Spherical porous silica  
Narrow particle and pore size distribution  
Robust and reproducible  
Hichrom high efficiency

## ZORBAX PHASES

Zorbax Phase	Functional Group	Endcapped	Particle Size (um)	Pore Size (A)	Surface Area (m2/g)	Carbon Load (%)
Silica	*	*	3, 5, 7	70	330	*
TMS	Methyl	Yes	5	70	330	4
C8	Octyl	Yes	3, 5, 7	70	330	12
ODS	Octadecyl	Yes	3, 5, 7	70	330	20
Phenyl	Phenyl	Yes	5, 7	70	330	12
NH2	Amino	Yes	5, 7	70	330	4
CN	Cyano	Yes	3, 5, 7	70	330	7

### Microbore (1.0mm i.d.) Columns

Please contact Winlab for further details of 1.0mm i.d. Zorbax columns

### Microbore (2.1mm i.d.) Columns

Zorbax Phase 5um	Column Dimensions (mm)					Guard <sup>3</sup> Cartridges (2.1mm i.d.)
	10x2.11	30x2.12	50x2.1	150x2.1	250x2.1	
Silica	ZSIL-10CMP	ZSIL-30CMP	ZSIL-50AM	ZSIL-150AM	ZSIL-250AM	ZSIL-10CM
TMS	ZTMS-10CMP	ZTMS-30CMP	ZTMS-50AM	ZTMS-150AM	ZTMS-250AM	ZTMS-10CM
C8	ZC8-10CMP	ZC830CMP	ZC8-50AM	ZC8-150AM	ZC8-250AM	ZC8-10CM
ODS	ZODS-10CMP	ZODS-30CMP	ZODS-50AM	ZODS-150AM	ZODS-250AM	ZODS-10CM
Phenyl	ZPH-10CMP	ZPH-30CMP	ZPH-50AM	ZPH-150AM	ZPH-250AM	ZPH-10CM
NH2	ZNH-10CMP	ZNH-30CMP	ZNH-50AM	ZNH-150AM	ZNH-250AM	ZNH-10CM
CN	ZCN-10CMP	ZCN-30CMP	ZCN-50AM	ZCN-150AM	ZCN-250AM	ZCN-10CM

### Medium Bore (3.2mm i.d.) columns

Zorbax Phase 5um	Column Dimensions (mm)					Guard <sup>3</sup> Cartridges (3.2mm i.d.)
	10x3.21	30x3.22	50x3.2	150x3.2	250x3.2	
Silica	ZSIL-10CSP	ZSIL-30CSP	ZSIL-50AS	ZSIL-150A	ZSIL-250A	ZSIL-10C
TMS	ZTMS-10CSP	ZTMS-30CSP	ZTMS-50AS	ZTMS-150A	ZTMS-250A	ZTMS-10C
C8	ZC8-10CSP	ZC830CSP	ZC8-50A	ZC8-150A	ZC8-250A	ZC8-10C
ODS	ZODS-10CSP	ZODS-30CSP	ZODS-50A	ZODS-150A	ZODS-250A	ZODS-10C
Phenyl	ZPH-10CSP	ZPH-30CSP	ZPH-50A	ZPH-150A	ZPH-250A	ZPH-10C
NH2	ZNH-10CSP	ZNH-30CSP	ZNH-50A	ZNH-150A	ZNH-250A	ZNH-10C
CN	ZCN-10CSP	ZCN-30CSP	ZCN-50A	ZCN-150A	ZCN-250A	ZCN-10C

1=Use with free standing holder HI-161

2=Use with free standing holder HI-173

3=Use with free standing holder HI-161 and column coupler HI-081

4=1/pk, 3/pk, 10/pk and starter kits also available

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## Analytical (4.0mm i.d.) Columns

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Zorbax Phase 5µm	Column Dimensions (mm)					Guard <sup>3</sup> Cartridges (4.6mm i.d.)
	10x4.6 <sup>1</sup>	30x4.6 <sup>2</sup>	50x4.6	150x4.6	250x4.6	
Silica	ZSIL-10CAP	ZSIL-30CAP	ZSIL-50A	ZSIL-150A	ZSIL-250A	ZSIL-10C
TMS	ZTMS-10CAP	ZTMS-30CAP	ZTMS-50A	ZTMS-150A	ZTMS-250A	ZTMS-10C
C8	ZC8-10CAP	ZC830CAP	ZC8-50A	ZC8-150A	ZC8-250A	ZC8-10C
ODS	ZODS-10CAP	ZODS-30CAP	ZODS-50A	ZODS-150A	ZODS-250A	ZODS-10C
Phenyl	ZPH-10CAP	ZPH-30CAP	ZPH-50A	ZPH-150A	ZPH-250A	ZPH-10C
NH2	ZNH-10CAP	ZNH-30CAP	ZNH-50A	ZNH-150A	ZNH-250A	ZNH-10C
CN	ZCN-10CAP	ZCN-30CAP	ZCN-50A	ZCN-150A	ZCN-250A	ZCN-10C

## Semi-Preparative (7.5mm i.d. Columns

Zorbax Phase 5µm	Column Dimensions (mm)				Guard <sup>5</sup> Cartridges (7.75mm i.d.)
	50x7.75	100x7.75	150x7.75	250x7.75	
Silica	ZSIL-50SP	ZSIL-100SP	ZSIL-150SP	ZSIL-250SP	ZSIL-10CP
TMS	ZTMS-50SP	ZTMS-100SP	ZTMS-150SP	ZTMS-250SP	ZTMS-10CP
C8	ZC8-50SP	ZC8-100SP	ZC8-150SP	ZC8-250SP	ZC8-10CP
ODS	ZODS-50SP	ZODS-100SP	ZODS-150SP	ZODS-250SP	ZODS-10CP
Phenyl	ZPH-50SP	ZPH-100SP	ZPH-150SP	ZPH-250SP	ZPH-10CP
NH2	ZNH-50SP	ZNH-100SP	ZNH-150SP	ZNH-250SP	ZNH-10CP
CN	ZCN-50SP	ZCN-100SP	ZCN-150SP	ZCN-250SP	ZCN-10CP

## Semi-Preparative (10.0mm i.d.) Columns

Zorbax Phase 5µm	Column Dimensions (mm)				Guard <sup>5</sup> Cartridges (10.0mm i.d.)
	50x10.0	100x10.0	150x10.0	250x10.0	
Silica	ZSIL-50SP1	ZSIL-100SP1	ZSIL-150SP1	ZSIL-250SP1	ZSIL-10CP
TMS	ZTMS-50SP1	ZTMS-100SP1	ZTMS-150SP1	ZTMS-250SP1	ZTMS-10CP
C8	ZC8-50SP1	ZC8-100SP1	ZC8-150SP1	ZC8-250SP1	ZC8-10CP
ODS	ZODS-50SP1	ZODS-100SP1	ZODS-150SP1	ZODS-250SP1	ZODS-10CP
Phenyl	ZPH-50SP1	ZPH-100SP1	ZPH-150SP1	ZPH-250SP1	ZPH-10CP
NH2	ZNH-50SP1	ZNH-100SP1	ZNH-150SP1	ZNH-250SP1	ZNH-10CP
CN	ZCN-50SP1	ZCN-100SP1	ZCN-150SP1	ZCN-250SP1	ZCN-10CP

## Preparative (21.2mm i.d.) Columns

Zorbax Phase 5µm	Column Dimensions (mm)				Guard <sup>5</sup> Cartridges (21.2mm i.d.)
	50x21.2	100x21.2	150x21.2	250x21.2	
Silica	ZSIL-50P	ZSIL-100P	ZSIL-150P	ZSIL-250P	ZSIL-10CP
TMS	ZTMS-50P	ZTMS-100P	ZTMS-150P	ZTMS-250P	ZTMS-10CP
C8	ZC8-50P	ZC8-100P	ZC8-150P	ZC8-250P	ZC8-10CP
ODS	ZODS-50P	ZODS-100P	ZODS-150P	ZODS-250P	ZODS-10CP
Phenyl	ZPH-50P	ZPH-100P	ZPH-150P	ZPH-250P	ZPH-10CP
NH2	ZNH-50P	ZNH-100P	ZNH-150P	ZNH-250P	ZNH-10CP
CN	ZCN-50P	ZCN-100P	ZCN-150P	ZCN-250P	ZCN-10CP

1=Use with free standing holder HI-161

2=Use with free standing holder HI-173

3=Use with free standing holder HI-161 and column coupler HI-081 4=1/pk, 3/pk, 10/pk and starter kits also available

5=Use with free-standing holder HI-150 and column coupler HI-081 6=3/pk also available