

**2020-2021 ZirChrom Analytical Column Pricing, 3 micron particles**

Part #	Description	Particle Size	Column Dimensions	Phase Type	Max. Temp.	PH range	List (U.S. \$)
DB01-0521	DiamondBond®-C18	3 micron	50 x 2.1 mm i.d.	RP	200 C	1-14	\$819.00
DB01-0546	DiamondBond®-C18	3 micron	50 x 4.6 mm i.d.	RP	200 C	1-14	\$819.00
DB01-1021	DiamondBond®-C18	3 micron	100 x 2.1 mm i.d.	RP	200 C	1-14	\$819.00
DB01-1046	DiamondBond®-C18	3 micron	100 x 4.6 mm i.d.	RP	200 C	1-14	\$819.00
DB01-1521	DiamondBond®-C18	3 micron	150 x 2.1 mm i.d.	RP	200 C	1-14	\$843.00
DB01-1546	DiamondBond®-C18	3 micron	150 x 4.6 mm i.d.	RP	200 C	1-14	\$843.00
DB01-2521	DiamondBond®-C18	3 micron	250 x 2.1 mm i.d.	RP	200 C	1-14	\$894.00
DB01-2546	DiamondBond®-C18	3 micron	250 x 4.6 mm i.d.	RP	200 C	1-14	\$894.00
EZ01-0521	ZirChrom®-EZ	3 micron	50 x 2.1 mm i.d.	RP	50 C	1-10	\$698.00
EZ01-0546	ZirChrom®-EZ	3 micron	50 x 4.6 mm i.d.	RP	50 C	1-10	\$698.00
EZ01-1021	ZirChrom®-EZ	3 micron	100 x 2.1 mm i.d.	RP	50 C	1-10	\$698.00
EZ01-1046	ZirChrom®-EZ	3 micron	100 x 4.6 mm i.d.	RP	50 C	1-10	\$698.00
EZ01-1521	ZirChrom®-EZ	3 micron	150 x 2.1 mm i.d.	RP	50 C	1-10	\$722.00
EZ01-1546	ZirChrom®-EZ	3 micron	150 x 4.6 mm i.d.	RP	50 C	1-10	\$722.00
EZ01-2521	ZirChrom®-EZ	3 micron	250 x 2.1 mm i.d.	RP	50 C	1-10	\$771.00
EZ01-2546	ZirChrom®-EZ	3 micron	250 x 4.6 mm i.d.	RP	50 C	1-10	\$771.00
MK01-0521	Method Development Kit #1	3 micron	50 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK01-0546	Method Development Kit #1	3 micron	50 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK01-1021	Method Development Kit #1	3 micron	100 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK01-1046	Method Development Kit #1	3 micron	100 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK01-1521	Method Development Kit #1	3 micron	150 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK01-1546	Method Development Kit #1	3 micron	150 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-0521	Method Development Kit #2	3 micron	50 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-0546	Method Development Kit #2	3 micron	50 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-1021	Method Development Kit #2	3 micron	100 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-1046	Method Development Kit #2	3 micron	100 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-1521	Method Development Kit #2	3 micron	150 x 2.1 mm i.d.	RP	Varies	Varies	\$1,573.00
MK02-1546	Method Development Kit #2	3 micron	150 x 4.6 mm i.d.	RP	Varies	Varies	\$1,573.00
MK03-0521	Method Development Kit #3	3 micron	50 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK03-0546	Method Development Kit #3	3 micron	50 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK03-1021	Method Development Kit #3	3 micron	100 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK03-1046	Method Development Kit #3	3 micron	100 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK03-1521	Method Development Kit #3	3 micron	150 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK03-1546	Method Development Kit #3	3 micron	150 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-0521	Method Development Kit #4	3 micron	50 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-0546	Method Development Kit #4	3 micron	50 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-1021	Method Development Kit #4	3 micron	100 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-1046	Method Development Kit #4	3 micron	100 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-1521	Method Development Kit #4	3 micron	150 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,573.00
MK04-1546	Method Development Kit #4	3 micron	150 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,573.00
MS01-0521	ZirChrom®-MS	3 micron	50 x 2.1 mm i.d.	RP	50 C	1-10	\$698.00
MS01-0546	ZirChrom®-MS	3 micron	50 x 4.6 mm i.d.	RP	50 C	1-10	\$698.00
MS01-1021	ZirChrom®-MS	3 micron	100 x 2.1 mm i.d.	RP	50 C	1-10	\$698.00
MS01-1046	ZirChrom®-MS	3 micron	100 x 4.6 mm i.d.	RP	50 C	1-10	\$698.00
MS01-1521	ZirChrom®-MS	3 micron	150 x 2.1 mm i.d.	RP	50 C	1-10	\$722.00
MS01-1546	ZirChrom®-MS	3 micron	150 x 4.6 mm i.d.	RP	50 C	1-10	\$722.00
MS01-2521	ZirChrom®-MS	3 micron	250 x 2.1 mm i.d.	RP	50 C	1-10	\$771.00
MS01-2546	ZirChrom®-MS	3 micron	250 x 4.6 mm i.d.	RP	50 C	1-10	\$771.00
TI01-0521	Sachtopore-RP	3 micron	50 x 2.1 mm i.d.	RP	100 C	1-12	\$698.00
TI01-0546	Sachtopore-RP	3 micron	50 x 4.6 mm i.d.	RP	100 C	1-12	\$698.00
TI01-1021	Sachtopore-RP	3 micron	100 x 2.1 mm i.d.	RP	100 C	1-12	\$698.00
TI01-1046	Sachtopore-RP	3 micron	100 x 4.6 mm i.d.	RP	100 C	1-12	\$698.00
TI01-1521	Sachtopore-RP	3 micron	150 x 2.1 mm i.d.	RP	100 C	1-12	\$722.00
TI01-1546	Sachtopore-RP	3 micron	150 x 4.6 mm i.d.	RP	100 C	1-12	\$722.00
TI01-2521	Sachtopore-RP	3 micron	250 x 2.1 mm i.d.	RP	100 C	1-12	\$771.00
TI01-2546	Sachtopore-RP	3 micron	250 x 4.6 mm i.d.	RP	100 C	1-12	\$771.00
TI02-0521	Sachtopore-NP	3 micron	50 x 2.1 mm i.d.	NP	100 C	1-14	\$698.00
TI02-0546	Sachtopore-NP	3 micron	50 x 4.6 mm i.d.	NP	100 C	1-14	\$698.00
TI02-1021	Sachtopore-NP	3 micron	100 x 2.1 mm i.d.	NP	100 C	1-14	\$698.00
TI02-1046	Sachtopore-NP	3 micron	100 x 4.6 mm i.d.	NP	100 C	1-14	\$698.00
TI02-1521	Sachtopore-NP	3 micron	150 x 2.1 mm i.d.	NP	100 C	1-14	\$722.00
TI02-1546	Sachtopore-NP	3 micron	150 x 4.6 mm i.d.	NP	100 C	1-14	\$722.00
TI02-2521	Sachtopore-NP	3 micron	250 x 2.1 mm i.d.	NP	100 C	1-14	\$771.00
TI02-2546	Sachtopore-NP	3 micron	250 x 4.6 mm i.d.	NP	100 C	1-14	\$771.00
ZR01-0521	ZirChrom®-CARB	3 micron	50 x 2.1 mm i.d.	RP	200 C	1-14	\$819.00
ZR01-0546	ZirChrom®-CARB	3 micron	50 x 4.6 mm i.d.	RP	200 C	1-14	\$819.00
ZR01-1021	ZirChrom®-CARB	3 micron	100 x 2.1 mm i.d.	RP	200 C	1-14	\$819.00

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Part #	Description	Particle Size	Column Dimensions	Phase Type	Max. Temp.	PH range	List (U.S. \$)
ZR01-1046	ZirChrom®-CARB	3 micron	100 x 4.6 mm i.d.	RP	200 C	1-14	\$819.00
ZR01-1521	ZirChrom®-CARB	3 micron	150 x 2.1 mm i.d.	RP	200 C	1-14	\$843.00
ZR01-1546	ZirChrom®-CARB	3 micron	150 x 4.6 mm i.d.	RP	200 C	1-14	\$843.00
ZR01-2521	ZirChrom®-CARB	3 micron	250 x 2.1 mm i.d.	RP	200 C	1-14	\$894.00
ZR01-2546	ZirChrom®-CARB	3 micron	250 x 4.6 mm i.d.	RP	200 C	1-14	\$894.00
ZR02-0521	ZirChrom®-PHASE	3 micron	50 x 2.1 mm i.d.	NP	200 C	1-14	\$698.00
ZR02-0546	ZirChrom®-PHASE	3 micron	50 x 4.6 mm i.d.	NP	200 C	1-14	\$698.00
ZR02-1021	ZirChrom®-PHASE	3 micron	100 x 2.1 mm i.d.	NP	200 C	1-14	\$698.00
ZR02-1046	ZirChrom®-PHASE	3 micron	100 x 4.6 mm i.d.	NP	200 C	1-14	\$698.00
ZR02-1521	ZirChrom®-PHASE	3 micron	150 x 2.1 mm i.d.	NP	200 C	1-14	\$722.00
ZR02-1546	ZirChrom®-PHASE	3 micron	150 x 4.6 mm i.d.	NP	200 C	1-14	\$722.00
ZR02-2521	ZirChrom®-PHASE	3 micron	250 x 2.1 mm i.d.	NP	200 C	1-14	\$771.00
ZR02-2546	ZirChrom®-PHASE	3 micron	250 x 4.6 mm i.d.	NP	200 C	1-14	\$771.00
ZR03-0521	ZirChrom®-PBD	3 micron	50 x 2.1 mm i.d.	RP	150 C	1-14	\$698.00
ZR03-0546	ZirChrom®-PBD	3 micron	50 x 4.6 mm i.d.	RP	150 C	1-14	\$698.00
ZR03-1021	ZirChrom®-PBD	3 micron	100 x 2.1 mm i.d.	RP	150 C	1-14	\$698.00
ZR03-1046	ZirChrom®-PBD	3 micron	100 x 4.6 mm i.d.	RP	150 C	1-14	\$698.00
ZR03-1521	ZirChrom®-PBD	3 micron	150 x 2.1 mm i.d.	RP	150 C	1-14	\$722.00
ZR03-1546	ZirChrom®-PBD	3 micron	150 x 4.6 mm i.d.	RP	150 C	1-14	\$722.00
ZR03-2521	ZirChrom®-PBD	3 micron	250 x 2.1 mm i.d.	RP	150 C	1-14	\$771.00
ZR03-2546	ZirChrom®-PBD	3 micron	250 x 4.6 mm i.d.	RP	150 C	1-14	\$771.00
ZR04-0521	ZirChrom®-WCX	3 micron	50 x 2.1 mm i.d.	CX	50 C	1-10	\$698.00
ZR04-0546	ZirChrom®-WCX	3 micron	50 x 4.6 mm i.d.	CX	50 C	1-10	\$698.00
ZR04-1021	ZirChrom®-WCX	3 micron	100 x 2.1 mm i.d.	CX	50 C	1-10	\$698.00
ZR04-1046	ZirChrom®-WCX	3 micron	100 x 4.6 mm i.d.	CX	50 C	1-10	\$698.00
ZR04-1521	ZirChrom®-WCX	3 micron	150 x 2.1 mm i.d.	CX	50 C	1-10	\$722.00
ZR04-1546	ZirChrom®-WCX	3 micron	150 x 4.6 mm i.d.	CX	50 C	1-10	\$722.00
ZR04-2521	ZirChrom®-WCX	3 micron	250 x 2.1 mm i.d.	CX	50 C	1-10	\$771.00
ZR04-2546	ZirChrom®-WCX	3 micron	250 x 4.6 mm i.d.	CX	50 C	1-10	\$771.00
ZR05-0521	ZirChrom®-WAX	3 micron	50 x 2.1 mm i.d.	AX	50 C	3-9	\$698.00
ZR05-0546	ZirChrom®-WAX	3 micron	50 x 4.6 mm i.d.	AX	50 C	3-9	\$698.00
ZR05-1021	ZirChrom®-WAX	3 micron	100 x 2.1 mm i.d.	AX	50 C	3-9	\$698.00
ZR05-1046	ZirChrom®-WAX	3 micron	100 x 4.6 mm i.d.	AX	50 C	3-9	\$698.00
ZR05-1521	ZirChrom®-WAX	3 micron	150 x 2.1 mm i.d.	AX	50 C	3-9	\$722.00
ZR05-1546	ZirChrom®-WAX	3 micron	150 x 4.6 mm i.d.	AX	50 C	3-9	\$722.00
ZR05-2521	ZirChrom®-WAX	3 micron	250 x 2.1 mm i.d.	AX	50 C	3-9	\$771.00
ZR05-2546	ZirChrom®-WAX	3 micron	250 x 4.6 mm i.d.	AX	50 C	3-9	\$771.00
ZR06-0521	ZirChrom®-SAX	3 micron	50 x 2.1 mm i.d.	AX	80 C	1-12	\$698.00
ZR06-0546	ZirChrom®-SAX	3 micron	50 x 4.6 mm i.d.	AX	80 C	1-12	\$698.00
ZR06-1021	ZirChrom®-SAX	3 micron	100 x 2.1 mm i.d.	AX	80 C	1-12	\$698.00
ZR06-1046	ZirChrom®-SAX	3 micron	100 x 4.6 mm i.d.	AX	80 C	1-12	\$698.00
ZR06-1521	ZirChrom®-SAX	3 micron	150 x 2.1 mm i.d.	AX	80 C	1-12	\$722.00
ZR06-1546	ZirChrom®-SAX	3 micron	150 x 4.6 mm i.d.	AX	80 C	1-12	\$722.00
ZR06-2521	ZirChrom®-SAX	3 micron	250 x 2.1 mm i.d.	AX	80 C	1-12	\$771.00
ZR06-2546	ZirChrom®-SAX	3 micron	250 x 4.6 mm i.d.	AX	80 C	1-12	\$771.00
ZR07-0521	ZirChrom®-SHAX	3 micron	50 x 2.1 mm i.d.	AX	80 C	1-12	\$698.00
ZR07-0546	ZirChrom®-SHAX	3 micron	50 x 4.6 mm i.d.	AX	80 C	1-12	\$698.00
ZR07-1021	ZirChrom®-SHAX	3 micron	100 x 2.1 mm i.d.	AX	80 C	1-12	\$698.00
ZR07-1046	ZirChrom®-SHAX	3 micron	100 x 4.6 mm i.d.	AX	80 C	1-12	\$698.00
ZR07-1521	ZirChrom®-SHAX	3 micron	150 x 2.1 mm i.d.	AX	80 C	1-12	\$722.00
ZR07-1546	ZirChrom®-SHAX	3 micron	150 x 4.6 mm i.d.	AX	80 C	1-12	\$722.00
ZR07-2521	ZirChrom®-SHAX	3 micron	250 x 2.1 mm i.d.	AX	80 C	1-12	\$771.00
ZR07-2546	ZirChrom®-SHAX	3 micron	250 x 4.6 mm i.d.	AX	80 C	1-12	\$771.00
ZR08-0521	ZirChrom®-PEZ	3 micron	50 x 2.1 mm i.d.	CX	50 C	1-10	\$698.00
ZR08-0546	ZirChrom®-PEZ	3 micron	50 x 4.6 mm i.d.	CX	50 C	1-10	\$698.00
ZR08-1021	ZirChrom®-PEZ	3 micron	100 x 2.1 mm i.d.	CX	50 C	1-10	\$698.00
ZR08-1046	ZirChrom®-PEZ	3 micron	100 x 4.6 mm i.d.	CX	50 C	1-10	\$698.00
ZR08-1521	ZirChrom®-PEZ	3 micron	150 x 2.1 mm i.d.	CX	50 C	1-10	\$722.00
ZR08-1546	ZirChrom®-PEZ	3 micron	150 x 4.6 mm i.d.	CX	50 C	1-10	\$722.00
ZR08-2521	ZirChrom®-PEZ	3 micron	250 x 2.1 mm i.d.	CX	50 C	1-10	\$771.00
ZR08-2546	ZirChrom®-PEZ	3 micron	250 x 4.6 mm i.d.	CX	50 C	1-10	\$771.00
ZR09-0521	ZirChrom®-PS	3 micron	50 x 2.1 mm i.d.	RP	150 C	1-13	\$698.00
ZR09-0546	ZirChrom®-PS	3 micron	50 x 4.6 mm i.d.	RP	150 C	1-13	\$698.00
ZR09-1021	ZirChrom®-PS	3 micron	100 x 2.1 mm i.d.	RP	150 C	1-13	\$698.00
ZR09-1046	ZirChrom®-PS	3 micron	100 x 4.6 mm i.d.	RP	150 C	1-13	\$698.00
ZR09-1521	ZirChrom®-PS	3 micron	150 x 2.1 mm i.d.	RP	150 C	1-13	\$722.00
ZR09-1546	ZirChrom®-PS	3 micron	150 x 4.6 mm i.d.	RP	150 C	1-13	\$722.00

**2020-2021 ZirChrom Analytical Column Pricing, 3 micron particles**

<b>Part #</b>	<b>Description</b>	<b>Particle Size</b>	<b>Column Dimensions</b>	<b>Phase Type</b>	<b>Max. Temp.</b>	<b>PH range</b>	<b>List (U.S. \$)</b>
ZR09-2521	ZirChrom®-PS	3 micron	250 x 2.1 mm i.d.	RP	150 C	1-13	\$771.00
ZR09-2546	ZirChrom®-PS	3 micron	250 x 4.6 mm i.d.	RP	150 C	1-13	\$771.00

**2020-2021 ZirChrom Analytical Column Pricing, 5 micron particles**

Part #	Description	Particle Size	Column Dimensions	Phase Type	Max. Temp.	PH range	List (U.S. \$)
DB01-0521-5	DiamondBond®-C18	5 micron	50 x 2.1 mm i.d.	RP	200 C	1-14	\$759.00
DB01-0546-5	DiamondBond®-C18	5 micron	50 x 4.6 mm i.d.	RP	200 C	1-14	\$759.00
DB01-1021-5	DiamondBond®-C18	5 micron	100 x 2.1 mm i.d.	RP	200 C	1-14	\$759.00
DB01-1046-5	DiamondBond®-C18	5 micron	100 x 4.6 mm i.d.	RP	200 C	1-14	\$759.00
DB01-1521-5	DiamondBond®-C18	5 micron	150 x 2.1 mm i.d.	RP	200 C	1-14	\$784.00
DB01-1546-5	DiamondBond®-C18	5 micron	150 x 4.6 mm i.d.	RP	200 C	1-14	\$784.00
DB01-2521-5	DiamondBond®-C18	5 micron	250 x 2.1 mm i.d.	RP	200 C	1-14	\$833.00
DB01-2546-5	DiamondBond®-C18	5 micron	250 x 4.6 mm i.d.	RP	200 C	1-14	\$833.00
EZ01-0521-5	ZirChrom®-EZ	5 micron	50 x 2.1 mm i.d.	RP	50 C	1-10	\$638.00
EZ01-0546-5	ZirChrom®-EZ	5 micron	50 x 4.6 mm i.d.	RP	50 C	1-10	\$638.00
EZ01-1021-5	ZirChrom®-EZ	5 micron	100 x 2.1 mm i.d.	RP	50 C	1-10	\$638.00
EZ01-1046-5	ZirChrom®-EZ	5 micron	100 x 4.6 mm i.d.	RP	50 C	1-10	\$638.00
EZ01-1521-5	ZirChrom®-EZ	5 micron	150 x 2.1 mm i.d.	RP	50 C	1-10	\$663.00
EZ01-1546-5	ZirChrom®-EZ	5 micron	150 x 4.6 mm i.d.	RP	50 C	1-10	\$663.00
EZ01-2521-5	ZirChrom®-EZ	5 micron	250 x 2.1 mm i.d.	RP	50 C	1-10	\$711.00
EZ01-2546-5	ZirChrom®-EZ	5 micron	250 x 4.6 mm i.d.	RP	50 C	1-10	\$711.00
MK01-0521-5	Method Development Kit #1	5 micron	50 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK01-0546-5	Method Development Kit #1	5 micron	50 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK01-1021-5	Method Development Kit #1	5 micron	100 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK01-1046-5	Method Development Kit #1	5 micron	100 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK01-1521-5	Method Development Kit #1	5 micron	150 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK01-1546-5	Method Development Kit #1	5 micron	150 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-0521-5	Method Development Kit #2	5 micron	50 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-0546-5	Method Development Kit #2	5 micron	50 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-1021-5	Method Development Kit #2	5 micron	100 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-1046-5	Method Development Kit #2	5 micron	100 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-1521-5	Method Development Kit #2	5 micron	150 x 2.1 mm i.d.	RP	Varies	Varies	\$1,452.00
MK02-1546-5	Method Development Kit #2	5 micron	150 x 4.6 mm i.d.	RP	Varies	Varies	\$1,452.00
MK03-0521-5	Method Development Kit #3	5 micron	50 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK03-0546-5	Method Development Kit #3	5 micron	50 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK03-1021-5	Method Development Kit #3	5 micron	100 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK03-1046-5	Method Development Kit #3	5 micron	100 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK03-1521-5	Method Development Kit #3	5 micron	150 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK03-1546-5	Method Development Kit #3	5 micron	150 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-0521-5	Method Development Kit #4	5 micron	50 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-0546-5	Method Development Kit #4	5 micron	50 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-1021-5	Method Development Kit #4	5 micron	100 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-1046-5	Method Development Kit #4	5 micron	100 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-1521-5	Method Development Kit #4	5 micron	150 x 2.1 mm i.d.	Varies	Varies	Varies	\$1,452.00
MK04-1546-5	Method Development Kit #4	5 micron	150 x 4.6 mm i.d.	Varies	Varies	Varies	\$1,452.00
MS01-0521-5	ZirChrom®-MS	5 micron	50 x 2.1 mm i.d.	RP	50 C	1-10	\$638.00
MS01-0546-5	ZirChrom®-MS	5 micron	50 x 4.6 mm i.d.	RP	50 C	1-10	\$638.00
MS01-1021-5	ZirChrom®-MS	5 micron	100 x 2.1 mm i.d.	RP	50 C	1-10	\$638.00
MS01-1046-5	ZirChrom®-MS	5 micron	100 x 4.6 mm i.d.	RP	50 C	1-10	\$638.00
MS01-1521-5	ZirChrom®-MS	5 micron	150 x 2.1 mm i.d.	RP	50 C	1-10	\$663.00
MS01-1546-5	ZirChrom®-MS	5 micron	150 x 4.6 mm i.d.	RP	50 C	1-10	\$663.00
MS01-2521-5	ZirChrom®-MS	5 micron	250 x 2.1 mm i.d.	RP	50 C	1-10	\$711.00
MS01-2546-5	ZirChrom®-MS	5 micron	250 x 4.6 mm i.d.	RP	50 C	1-10	\$711.00
TI01-0521-5	Sachtopore-RP	5 micron	50 x 2.1 mm i.d.	RP	100 C	1-12	\$638.00
TI01-0546-5	Sachtopore-RP	5 micron	50 x 4.6 mm i.d.	RP	100 C	1-12	\$638.00
TI01-1021-5	Sachtopore-RP	5 micron	100 x 2.1 mm i.d.	RP	100 C	1-12	\$638.00
TI01-1046-5	Sachtopore-RP	5 micron	100 x 4.6 mm i.d.	RP	100 C	1-12	\$638.00
TI01-1521-5	Sachtopore-RP	5 micron	150 x 2.1 mm i.d.	RP	100 C	1-12	\$663.00
TI01-1546-5	Sachtopore-RP	5 micron	150 x 4.6 mm i.d.	RP	100 C	1-12	\$663.00
TI01-2521-5	Sachtopore-RP	5 micron	250 x 2.1 mm i.d.	RP	100 C	1-12	\$711.00
TI01-2546-5	Sachtopore-RP	5 micron	250 x 4.6 mm i.d.	RP	100 C	1-12	\$711.00
TI02-0521-5	Sachtopore-NP	5 micron	50 x 2.1 mm i.d.	NP	100 C	1-14	\$638.00
TI02-0546-5	Sachtopore-NP	5 micron	50 x 4.6 mm i.d.	NP	100 C	1-14	\$638.00
TI02-1021-5	Sachtopore-NP	5 micron	100 x 2.1 mm i.d.	NP	100 C	1-14	\$638.00
TI02-1046-5	Sachtopore-NP	5 micron	100 x 4.6 mm i.d.	NP	100 C	1-14	\$638.00
TI02-1521-5	Sachtopore-NP	5 micron	150 x 2.1 mm i.d.	NP	100 C	1-14	\$663.00
TI02-1546-5	Sachtopore-NP	5 micron	150 x 4.6 mm i.d.	NP	100 C	1-14	\$663.00
TI02-2521-5	Sachtopore-NP	5 micron	250 x 2.1 mm i.d.	NP	100 C	1-14	\$711.00
TI02-2546-5	Sachtopore-NP	5 micron	250 x 4.6 mm i.d.	NP	100 C	1-14	\$711.00
ZR01-0521-5	ZirChrom®-CARB	5 micron	50 x 2.1 mm i.d.	RP	200 C	1-14	\$759.00
ZR01-0546-5	ZirChrom®-CARB	5 micron	50 x 4.6 mm i.d.	RP	200 C	1-14	\$759.00
ZR01-1021-5	ZirChrom®-CARB	5 micron	100 x 2.1 mm i.d.	RP	200 C	1-14	\$759.00

2020-2021 ZirChrom Analytical Column Pricing, 5 micron particles

Part #	Description	Particle Size	Column Dimensions	Phase Type	Max. Temp.	PH range	List (U.S. \$)
ZR01-1046-5	ZirChrom®-CARB	5 micron	100 x 4.6 mm i.d.	RP	200 C	1-14	\$759.00
ZR01-1521-5	ZirChrom®-CARB	5 micron	150 x 2.1 mm i.d.	RP	200 C	1-14	\$784.00
ZR01-1546-5	ZirChrom®-CARB	5 micron	150 x 4.6 mm i.d.	RP	200 C	1-14	\$784.00
ZR01-2521-5	ZirChrom®-CARB	5 micron	250 x 2.1 mm i.d.	RP	200 C	1-14	\$833.00
ZR01-2546-5	ZirChrom®-CARB	5 micron	250 x 4.6 mm i.d.	RP	200 C	1-14	\$833.00
ZR02-0521-5	ZirChrom®-PHASE	5 micron	50 x 2.1 mm i.d.	NP	200 C	1-14	\$638.00
ZR02-0546-5	ZirChrom®-PHASE	5 micron	50 x 4.6 mm i.d.	NP	200 C	1-14	\$638.00
ZR02-1021-5	ZirChrom®-PHASE	5 micron	100 x 2.1 mm i.d.	NP	200 C	1-14	\$638.00
ZR02-1046-5	ZirChrom®-PHASE	5 micron	100 x 4.6 mm i.d.	NP	200 C	1-14	\$638.00
ZR02-1521-5	ZirChrom®-PHASE	5 micron	150 x 2.1 mm i.d.	NP	200 C	1-14	\$663.00
ZR02-1546-5	ZirChrom®-PHASE	5 micron	150 x 4.6 mm i.d.	NP	200 C	1-14	\$663.00
ZR02-2521-5	ZirChrom®-PHASE	5 micron	250 x 2.1 mm i.d.	NP	200 C	1-14	\$711.00
ZR02-2546-5	ZirChrom®-PHASE	5 micron	250 x 4.6 mm i.d.	NP	200 C	1-14	\$711.00
ZR03-0521-5	ZirChrom®-PBD	5 micron	50 x 2.1 mm i.d.	RP	150 C	1-14	\$638.00
ZR03-0546-5	ZirChrom®-PBD	5 micron	50 x 4.6 mm i.d.	RP	150 C	1-14	\$638.00
ZR03-1021-5	ZirChrom®-PBD	5 micron	100 x 2.1 mm i.d.	RP	150 C	1-14	\$638.00
ZR03-1046-5	ZirChrom®-PBD	5 micron	100 x 4.6 mm i.d.	RP	150 C	1-14	\$638.00
ZR03-1521-5	ZirChrom®-PBD	5 micron	150 x 2.1 mm i.d.	RP	150 C	1-14	\$663.00
ZR03-1546-5	ZirChrom®-PBD	5 micron	150 x 4.6 mm i.d.	RP	150 C	1-14	\$663.00
ZR03-2521-5	ZirChrom®-PBD	5 micron	250 x 2.1 mm i.d.	RP	150 C	1-14	\$711.00
ZR03-2546-5	ZirChrom®-PBD	5 micron	250 x 4.6 mm i.d.	RP	150 C	1-14	\$711.00
ZR04-0521-5	ZirChrom®-WCX	5 micron	50 x 2.1 mm i.d.	CX	50 C	1-10	\$638.00
ZR04-0546-5	ZirChrom®-WCX	5 micron	50 x 4.6 mm i.d.	CX	50 C	1-10	\$638.00
ZR04-1021-5	ZirChrom®-WCX	5 micron	100 x 2.1 mm i.d.	CX	50 C	1-10	\$638.00
ZR04-1046-5	ZirChrom®-WCX	5 micron	100 x 4.6 mm i.d.	CX	50 C	1-10	\$638.00
ZR04-1521-5	ZirChrom®-WCX	5 micron	150 x 2.1 mm i.d.	CX	50 C	1-10	\$663.00
ZR04-1546-5	ZirChrom®-WCX	5 micron	150 x 4.6 mm i.d.	CX	50 C	1-10	\$663.00
ZR04-2521-5	ZirChrom®-WCX	5 micron	250 x 2.1 mm i.d.	CX	50 C	1-10	\$711.00
ZR04-2546-5	ZirChrom®-WCX	5 micron	250 x 4.6 mm i.d.	AX	50 C	1-10	\$711.00
ZR05-0521-5	ZirChrom®-WAX	5 micron	50 x 2.1 mm i.d.	AX	50 C	3-9	\$638.00
ZR05-0546-5	ZirChrom®-WAX	5 micron	50 x 4.6 mm i.d.	AX	50 C	3-9	\$638.00
ZR05-1021-5	ZirChrom®-WAX	5 micron	100 x 2.1 mm i.d.	AX	50 C	3-9	\$638.00
ZR05-1046-5	ZirChrom®-WAX	5 micron	100 x 4.6 mm i.d.	AX	50 C	3-9	\$638.00
ZR05-1521-5	ZirChrom®-WAX	5 micron	150 x 2.1 mm i.d.	AX	50 C	3-9	\$663.00
ZR05-1546-5	ZirChrom®-WAX	5 micron	150 x 4.6 mm i.d.	AX	50 C	3-9	\$663.00
ZR05-2521-5	ZirChrom®-WAX	5 micron	250 x 2.1 mm i.d.	AX	50 C	3-9	\$711.00
ZR05-2546-5	ZirChrom®-WAX	5 micron	250 x 4.6 mm i.d.	AX	50 C	3-9	\$711.00
ZR06-0521-5	ZirChrom®-SAX	5 micron	50 x 2.1 mm i.d.	AX	80 C	1-12	\$638.00
ZR06-0546-5	ZirChrom®-SAX	5 micron	50 x 4.6 mm i.d.	AX	80 C	1-12	\$638.00
ZR06-1021-5	ZirChrom®-SAX	5 micron	100 x 2.1 mm i.d.	AX	80 C	1-12	\$638.00
ZR06-1046-5	ZirChrom®-SAX	5 micron	100 x 4.6 mm i.d.	AX	80 C	1-12	\$638.00
ZR06-1521-5	ZirChrom®-SAX	5 micron	150 x 2.1 mm i.d.	AX	80 C	1-12	\$663.00
ZR06-1546-5	ZirChrom®-SAX	5 micron	150 x 4.6 mm i.d.	AX	80 C	1-12	\$663.00
ZR06-2521-5	ZirChrom®-SAX	5 micron	250 x 2.1 mm i.d.	AX	80 C	1-12	\$711.00
ZR06-2546-5	ZirChrom®-SAX	5 micron	250 x 4.6 mm i.d.	AX	80 C	1-12	\$711.00
ZR07-0521-5	ZirChrom®-SHAX	5 micron	50 x 2.1 mm i.d.	AX	80 C	1-12	\$638.00
ZR07-0546-5	ZirChrom®-SHAX	5 micron	50 x 4.6 mm i.d.	AX	80 C	1-12	\$638.00
ZR07-1021-5	ZirChrom®-SHAX	5 micron	100 x 2.1 mm i.d.	AX	80 C	1-12	\$638.00
ZR07-1046-5	ZirChrom®-SHAX	5 micron	100 x 4.6 mm i.d.	AX	80 C	1-12	\$638.00
ZR07-1521-5	ZirChrom®-SHAX	5 micron	150 x 2.1 mm i.d.	AX	80 C	1-12	\$663.00
ZR07-1546-5	ZirChrom®-SHAX	5 micron	150 x 4.6 mm i.d.	AX	80 C	1-12	\$663.00
ZR07-2521-5	ZirChrom®-SHAX	5 micron	250 x 2.1 mm i.d.	AX	80 C	1-12	\$711.00
ZR07-2546-5	ZirChrom®-SHAX	5 micron	250 x 4.6 mm i.d.	AX	80 C	1-12	\$711.00
ZR08-0521-5	ZirChrom®-PEZ	5 micron	50 x 2.1 mm i.d.	CX	50 C	1-10	\$638.00
ZR08-0546-5	ZirChrom®-PEZ	5 micron	50 x 4.6 mm i.d.	CX	50 C	1-10	\$638.00
ZR08-1021-5	ZirChrom®-PEZ	5 micron	100 x 2.1 mm i.d.	CX	50 C	1-10	\$638.00
ZR08-1046-5	ZirChrom®-PEZ	5 micron	100 x 4.6 mm i.d.	CX	50 C	1-10	\$638.00
ZR08-1521-5	ZirChrom®-PEZ	5 micron	150 x 2.1 mm i.d.	CX	50 C	1-10	\$663.00
ZR08-1546-5	ZirChrom®-PEZ	5 micron	150 x 4.6 mm i.d.	CX	50 C	1-10	\$663.00
ZR08-2521-5	ZirChrom®-PEZ	5 micron	250 x 2.1 mm i.d.	CX	50 C	1-10	\$711.00
ZR08-2546-5	ZirChrom®-PEZ	5 micron	250 x 4.6 mm i.d.	CX	50 C	1-10	\$711.00
ZR09-0521-5	ZirChrom®-PS	5 micron	50 x 2.1 mm i.d.	RP	150 C	1-13	\$638.00
ZR09-0546-5	ZirChrom®-PS	5 micron	50 x 4.6 mm i.d.	RP	150 C	1-13	\$638.00
ZR09-1021-5	ZirChrom®-PS	5 micron	100 x 2.1 mm i.d.	RP	150 C	1-13	\$638.00
ZR09-1046-5	ZirChrom®-PS	5 micron	100 x 4.6 mm i.d.	RP	150 C	1-13	\$638.00
ZR09-1521-5	ZirChrom®-PS	5 micron	150 x 2.1 mm i.d.	RP	150 C	1-13	\$663.00
ZR09-1546-5	ZirChrom®-PS	5 micron	150 x 4.6 mm i.d.	RP	150 C	1-13	\$663.00

**2020-2021 ZirChrom Analytical Column Pricing, 5 micron particles**

<b>Part #</b>	<b>Description</b>	<b>Particle Size</b>	<b>Column Dimensions</b>	<b>Phase Type</b>	<b>Max. Temp.</b>	<b>PH range</b>	<b>List (U.S. \$)</b>
ZR09-2521-5	ZirChrom®-PS	5 micron	250 x 2.1 mm i.d.	RP	150 C	1-13	\$711.00
ZR09-2546-5	ZirChrom®-PS	5 micron	250 x 4.6 mm i.d.	RP	150 C	1-13	\$711.00

**2020-2021 ZirChrom Analytical Column Pricing, Sub-2 micron particles**

**Columns**

<b>Part #</b>	<b>Description</b>	<b>Particle Size</b>	<b>Column Dimensions</b>	<b>Phase Type</b>	<b>Max. Temp.</b>	<b>PH range</b>	<b>List (U.S.\$)</b>
<b>ZR03-0546-1.9</b>	ZirChrom®-PBD	1.9 micron	50 x 4.6 mm i.d.	RP	150 C	1-14	\$819.00
<b>ZR02-0546-1.9</b>	ZirChrom®-PHASE	1.9 micron	50 x 4.6 mm i.d.	RP	200 C	1-14	\$819.00

## 2020-2021 ZirChrom Guard Column Pricing

Part #	Description	Purpose	List (U.S. \$)
850-00	Holder for G40 guard inserts	Use with 4.6 mm i.d. columns	\$90.00
<b>850-00-2</b>	<b>Holder for ProTain 4.6 mm inserts*</b>	Use with 4.6 mm i.d. columns	\$90.00
852-00	Holder for G20 guard inserts	Use with 2.1 mm i.d. columns	\$90.00
<b>852-00-2</b>	<b>Holder for ProTain 2.1 mm inserts*</b>	Use with 2.1 mm i.d. columns	\$90.00
DB01-G20	DiamondBond®-C18, 3 pack	Use with 2.1 mm i.d. columns	\$265.00
DB01-G40	DiamondBond®-C18, 3 pack	Use with 4.6 mm i.d. columns	\$265.00
EZ01-G20	ZirChrom®-EZ, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
EZ01-G40	ZirChrom®-EZ, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
MK01-G20	Method Development Kit #1, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
MK01-G40	Method Development Kit #1, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
MK02-G20	Method Development Kit #2, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
MK02-G40	Method Development Kit #2, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
MK03-G20	Method Development Kit #3, 3 pack	Use with 2.1 mm i.d. columns	\$265.00
MK03-G40	Method Development Kit #3, 3 pack	Use with 4.6 mm i.d. columns	\$265.00
MK04-G20	Method Development Kit #4, 3 pack	Use with 2.1 mm i.d. columns	\$265.00
MK04-G40	Method Development Kit #4, 3 pack	Use with 4.6 mm i.d. columns	\$265.00
MS01-G20	ZirChrom®-MS, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
MS01-G40	ZirChrom®-MS, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
<b>PT01-0221</b>	<b>ProTain, 3 pack (2cm x 2.1 mm inserts)*</b>	Use with 2.1 mm i.d. columns	\$362.00
<b>PT01-0246</b>	<b>ProTain, 3 pack (2cm x 4.6 mm inserts)*</b>	Use with 4.6 mm i.d. columns	\$362.00
TI01-G20	Sachtopore-RP, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
TI01-G40	Sachtopore-RP, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
TI02-G20	Sachtopore-NP, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
TI02-G40	Sachtopore-NP, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR01-G20	ZirChrom®-CARB, 3 pack	Use with 2.1 mm i.d. columns	\$265.00
ZR01-G40	ZirChrom®-CARB, 3 pack	Use with 4.6 mm i.d. columns	\$265.00
ZR02-G20	ZirChrom®-PHASE, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR02-G40	ZirChrom®-PHASE, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR03-G20	ZirChrom®-PBD, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR03-G40	ZirChrom®-PBD, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR04-G20	ZirChrom®-WCX, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR04-G40	ZirChrom®-WCX, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR05-G20	ZirChrom®-WAX, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR05-G40	ZirChrom®-WAX, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR06-G20	ZirChrom®-SAX, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR06-G40	ZirChrom®-SAX, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR07-G20	ZirChrom®-SHAX, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR07-G40	ZirChrom®-SHAX, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR08-G20	ZirChrom®-PEZ, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR08-G40	ZirChrom®-PEZ, 3 pack	Use with 4.6 mm i.d. columns	\$240.00
ZR09-G20	ZirChrom®-PS, 3 pack	Use with 2.1 mm i.d. columns	\$240.00
ZR09-G40	ZirChrom®-PS, 3 pack	Use with 4.6 mm i.d. columns	\$240.00

**\*FOR PROTEIN REMOVAL**



## 2020-2021 ZirChrom Bulk Material Pricing (per unit quantity)

### Porous Zirconia

#### DB01 (DiamondBond-C18), ST01 (ZirChrom-SELECT) & ZR01 (ZirChrom-CARB)

Particle Size (microns)	1 - 4 grams	5 - 9 grams	10 - 99 grams	100 - 499 grams	500 - 999 grams	1,000 - 4,999 grams	5,000 - 9,999 grams	10,000+ grams
3	\$244.00	\$183.00	\$122.00	\$109.00	\$91.00	\$74.00	\$55.00	\$45.00
5	\$162.00	\$122.00	\$81.00	\$74.00	\$61.00	\$48.00	\$37.00	\$30.00
7	\$91.00	\$68.00	\$46.00	\$41.00	\$35.00	\$27.00	\$21.00	\$17.00
10	\$91.00	\$68.00	\$46.00	\$41.00	\$35.00	\$27.00	\$21.00	\$17.00
25	\$91.00	\$68.00	\$46.00	\$41.00	\$35.00	\$27.00	\$21.00	\$17.00

#### EZ01 (ZirChrom-EZ), ZR02 (ZirChrom-PHASE), ZR03 (ZirChrom-PBD), ZR04 (ZirChrom-WCX), ZR05 (ZirChrom-WAX), ZR06 (ZirChrom-SAX), ZR07 (ZirChrom-SHAX), & ZR09 (ZirChrom-PS)

Particle Size (microns)	1 - 4 grams	5 - 9 grams	10 - 99 grams	100 - 499 grams	500 - 999 grams	1,000 - 4,999 grams	5,000 - 9,999 grams	10,000+ grams
3	\$194.00	\$146.00	\$98.00	\$87.00	\$74.00	\$59.00	\$44.00	\$37.00
5	\$129.00	\$98.00	\$65.00	\$59.00	\$48.00	\$39.00	\$29.00	\$24.00
7	\$74.00	\$55.00	\$37.00	\$33.00	\$27.00	\$22.00	\$17.00	\$14.00
10	\$74.00	\$55.00	\$37.00	\$33.00	\$27.00	\$22.00	\$17.00	\$14.00
25	\$74.00	\$55.00	\$37.00	\$33.00	\$27.00	\$22.00	\$17.00	\$14.00

#### ZR08 (ZirChrom-PEZ)

Particle Size (microns)	1 - 4 grams	5 - 9 grams	10 - 99 grams	100 - 499 grams	500 - 999 grams	1,000 - 4,999 grams	5,000 - 9,999 grams	10,000+ grams
3	\$194.00	\$146.00	\$98.00	\$87.00	\$74.00	\$59.00	\$44.00	\$37.00
5	\$129.00	\$98.00	\$65.00	\$59.00	\$48.00	\$39.00	\$30.00	\$24.00
7	\$74.00	\$55.00	\$37.00	\$33.00	\$27.00	\$22.00	\$17.00	\$14.00
10	\$74.00	\$55.00	\$37.00	\$33.00	\$27.00	\$22.00	\$17.00	\$14.00
25	Rhinophase AB	Rhinophase AB	Rhinophase AB	Rhinophase AB	Rhinophase AB	Rhinophase AB	Rhinophase AB	Rhinophase AB

### Non-Porous Zirconia

#### NPZ-Phase Designation (ANY MODIFICATION TYPE)

Particle Size (microns)	1 - 49 grams	50+ grams
0.5	\$364.00	QUOTE
1	\$244.00	QUOTE
2	\$183.00	QUOTE
3	\$122.00	QUOTE

#### Part Numbering:

A part number is created using the phase designation, followed by a dash, followed by the word "BULK", followed by a dash, followed by the particle size.

Example: ZirChrom-CARB, 3 micron = ZR01-BULK-3

## 2020-2021 ZirChrom Rhinophase-AB Product Pricing

	Part #	List (U.S. \$)	Unit
<b>Rhinophase-AB Media</b>	AB01-BULK-25	44.00	\$/ml (for 1-9 ml)
	AB01-BULK-25	30.00	\$/ml (for 10-99 ml)
	AB01-BULK-25	22.00	\$/ml (for 100-999 ml)
	AB01-BULK-25	15.00	\$/ml (for 1000-4999 ml)
	AB01-BULK-25	10.00	\$/ml (for 5000-9999 ml)
	AB01-BULK-25	7.00	\$/ml (> 10000ml)
<b>Buffers</b>			
Dry Loading Buffer	DRY-LOAD	36.00	\$/4 L
Dry Elution Buffer	DRY-ELUT	72.00	\$/4 L
<b>Vacuum Manifold</b>	VAC-MAN	910.00	\$(16-port vacuum manifold)
<b>Vacuum Pump</b>	VAC-PUMP	667.00	\$(vacuum pump)
<b>Plastic SPE tubes (6 ml)</b>	TUBE-6ML	30.00	\$(10 small tubes)
<b>Plastic SPE tubes (60 ml)</b>	TUBE-60ML	91.00	\$(16 large tubes)
<b>Research Kit</b>			
	<b>AB01-RES</b>		
i. Rhinophase-AB Media	AB01-BULK-25		\$(3 ml media)
ii. Plastic SPE Tubes (6 ml)	TUBE-6ML		\$(3 small SPE tubes)
iii. Dry Loading Buffer	DRY-LOAD/2		\$/2 L (one 2 L bottle included)
iv. Dry Elution Buffer	DRY-ELUT/2		\$/2 L (one 2 L bottle included)
	<b>Total per kit</b>	<b>206.00</b>	
<b>Production Kit</b>			
	<b>AB01-HTP</b>		
i. Rhinophase-AB Media	AB01-BULK-25		\$(30 ml media)
ii. Plastic SPE Tubes (60 ml)	TUBE-60ML		\$(16 large SPE tubes)
iii. Vacuum Manifold System	VAC-MAN		\$(16-port vacuum manifold)
iv. Vacuum Pump	VAC-PUMP		\$(vacuum pump)
v. Dry Loading Buffer	2 x DRY-LOAD		\$/8 L (four 2 L bottles included)
vi. Dry Elution Buffer	2 x DRY-ELUT		\$/8 L (four 2 L bottles included)
	<b>Total per kit</b>	<b>3032.00</b>	
<b>Others</b>			
Analytical HPLC Column	ZR08-0521-5	638.00	5 micron
	ZR08-0546-5	638.00	5 micron
	ZR08-1021-5	638.00	5 micron
	ZR08-1046-5	638.00	5 micron
	ZR08-1521-5	663.00	5 micron
	ZR08-1546-5	663.00	5 micron
	ZR08-2521-5	711.00	5 micron
	ZR08-2546-5	711.00	5 micron
	Semi-prep HPLC Column	ZR08-CUSTOM	QUOTE
Capillary HPLC Column	ZR08-CUSTOM	QUOTE	5, 10, 25 micron available

## 2020-2021 ZirChrom Special Order Column Formats Available

**\*\* Note:** Column formats are available with any packing. Pricing will be quoted. Delivery times are typically 2-4 weeks for analytical formats and 4-6 weeks for semi-prep and preparative formats. Special Order items are excluded from the 90 day risk free warranty

Non-Standard Particle Sizes Available	Column Dimensions	List (U.S. \$)**
3, 5, 7, 10 and 25 micron	33 x 2.1 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	33 x 3.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	33 x 4.6 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	33 x 7.0 mm i.d.	QUOTE
3 and 5 micron	50 x 1.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	50 x 2.1 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	50 x 3.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	50 x 4.6 mm i.d.	QUOTE
3 and 5 micron	100 x 1.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 2.1 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 3.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 4.6 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 7.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 10.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	100 x 21.2 mm i.d.	QUOTE
3 and 5 micron	150 x 0.5 mm i.d.	QUOTE
3 and 5 micron	150 x 0.7 mm i.d.	QUOTE
3 and 5 micron	150 x 1.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 2.1 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 3.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 4.6 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 7.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 10.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	150 x 21.2 mm i.d.	QUOTE
3 and 5 micron	250 x 0.5 mm i.d.	QUOTE
3 and 5 micron	250 x 0.7 mm i.d.	QUOTE
3 and 5 micron	250 x 1.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 2.1 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 3.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 4.6 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 7.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 10.0 mm i.d.	QUOTE
3, 5, 7, 10 and 25 micron	250 x 21.2 mm i.d.	QUOTE

**Part Numbering:** A part number is created using the phase designation, followed by a dash, followed by the column length and column id (10.0 mm = 100), followed by a dash, followed by the particle size. Example, ZirChrom-PBD, 10 micron, 150 x 21.2 mm id = ZR03-15212-10.

**Non-Porous Zirconia:** Columns packed with non-porous zirconia are also available. The beginning of the phase designation changes from ZR to NPZ. Example, non-porous ZirChrom-PBD = NPZ03. Pricing for Non-Porous zirconia columns may be greater than the maximum amount listed above.