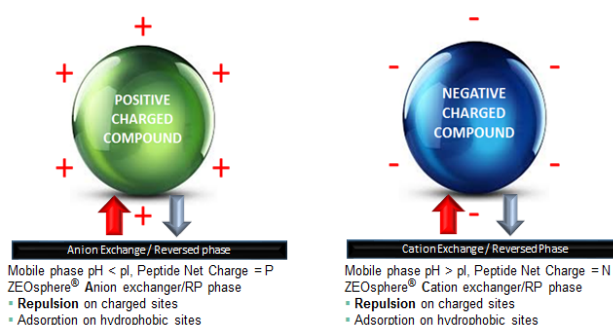


ZEOsphere DRP Mixed Mode - 120Å RP/SAX



Zeochem
A leader in silicate
chemistry

ZEOsphere phases are fully porous ultra-pure silica gels in spherical shape. ZEOsphere DRP Mixed-Mode silica gels are reversed phase chromatography gels, merged with different amounts of strong Anion exchanger (A) or strong Cation exchanger (C). Both ionic and hydrophobic functionalities on the same surface increase significantly the performance compared to conventional chromatographic phases like Reversed Phase.



ZEOsphere DRP can substantial increase the recovery/yield while decreasing the organic solvent consumption. ZEOsphere DRP Mixed-Mode phases are used for charged molecules like peptides, insulins(analogues) and oligonucleotides.

ZEOsphere DRP Mixed-Mode 120Å RP/SAX is available with 5% SAX, 10% SAX and 15% SAX. ZEOsphere DRP with RP/10% SAX is also available in 100Å, 200Å, 300Å and 1000Å pore size variations. Other SAX ratios on request.

Bonded ZEOsphere products are consistently produced and controlled according to quality standard ISO-9001. Strict QC controls from raw material to finished product ensure high lot-to-lot reproducibility and tightly controlled specifications.

ZEOsphere silicas are available in different quantities with a wide variety of packing sizes to meet individual applications and economic requirements.

Method	Parameter	Unit	ZEOsphere DRP 120 with SAX Phases		
			120 A5 / 10um	120 A10 / 10um	120 A15 / 10um
SPZ-972	Avg. Particle size d(50)	µm	10.0 ± 1.0	10.0 ± 1.0	10.0 ± 1.0
SPZ-972	d(90) / d(10)	µm	≤ 1.50	≤ 1.50	≤ 1.50
SPZ-012	Surface specific, N ₂ isotherm	m ² /g	335 ± 35	335 ± 35	335 ± 35
SPZ-012	Pore volume, N ₂ isotherm	mL/g	1.0 ± 0.15	1.0 ± 0.15	1.0 ± 0.15
SPZ-012	Pore size calculated, N ₂ isotherm	nm	12.25 ± 2.25	12.25 ± 2.25	12.25 ± 2.25
SPZ-501	w(C), total carbon content	% w/w	9.5 ± 2.5	9.5 ± 2.5	9.5 ± 2.5
SPZ-501	C _{total} surface concentration	µmol/m ²	2.5 ± 0.5	2.5 ± 0.5	2.5 ± 0.5