creoptix sensors

WAVEchips

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WAVEchips

For use in our 2-channel WAVE and 4-channel WAVEdelta system. All our sensor chips have the sensor surface sealed to the integrated microfluidics. This provides optimal sensor surface protection at most convenience.

Product Name	Description	Quantity	Order No
WAVEchip 4PCH	Versatile sensor chip with high capacity polycarboxylate functionalization. Suited for immobilization with –NH2, -SH, -CHO, -OH or –COOH groups.	Pack of 1 Pack of 3 Pack of 10	4PCH-01 4PCH-03 4PCH-10
WAVEchip 4PCL	Versatile sensor chip with low capacity polycarboxylate functionalization. Suited for immobilization with –NH2, -SH, -CHO, -OH or –COOH groups.	Pack of 1 Pack of 3 Pack of 10	4PCL-01 4PCL-03 4PCL-10
WAVEchip 4PCP	Versatile sensor chip with a thin polycarboxylate functionalization. Suited for immobilization with –NH2, -SH, -CHO, -OH or –COOH groups. For molecules and larger particles.	Pack of 1 Pack of 3 Pack of 10	4PCP-01 4PCP-03 4PCP-10
WAVEchip 4PCH-N	High capacity sensor chip with pre-immobilized NTA for capturing His tagged molecules	Pack of 1 Pack of 3 Pack of 10	4PCH-N-01 4PCH-N-03 4PCH-N-10
WAVEchip 4PCH-S	High capacity sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules	Pack of 1 Pack of 3 Pack of 10	4PCH-S-01 4PCH-S-03 4PCH-S-10
WAVEchip 4PCP-N	Thin polycarboxylate sensor chip with pre-immobilized NTA for capturing His tagged molecules or larger particles	Pack of 1 Pack of 3 Pack of 10	4PCP-N-01 4PCP-N-03 4PCP-N-10
WAVEchip 4PCP-S	Thin polycarboxylate sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules or larger particles	Pack of 1 Pack of 3 Pack of 10	4PCP-S-01 4PCP-S-03 4PCP-S-10
WAVEchip 4DXP-L	low capacity carboxymethyl-dextrane sensor chip with pre-immobilized lipophilic groups for capturing hydrophobic ligands	Pack of 1 Pack of 3 Pack of 10	4DXP-L-01 4DXP-L-03 4DXP-L-10

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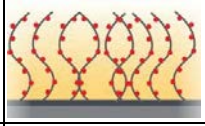
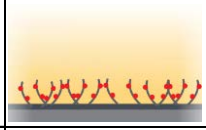
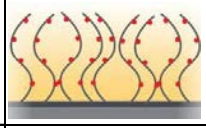
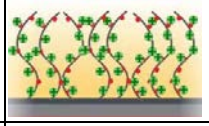
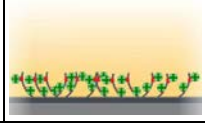
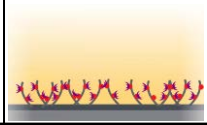
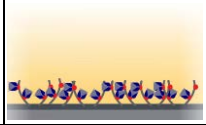
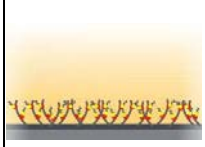
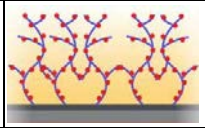
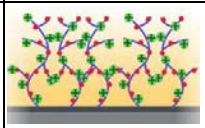
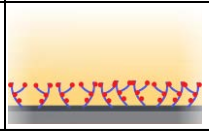
WAVEchip Quick Guide

WAVEChip		Special Characteristics	Matrix		Immobilization Modality				Capacity		Suggested Applications
			PC	CMD	-NH_2	Biotin	-His	Other	High	Low	
PCH		Thick hydrogel	●		■				▲		General purpose Large ligand-to-analyte molecular weight ratio
PCP		Quasi-planar	●		■					▼	Large ligands and/or analytes such as proteo-/liposomes, virus, VLP
PCL		Thick hydrogel with reduced charges	●		■ [1]				▲		Complex matrices such as serum, culture supernatant
PCH-S		Streptavidin-coated	●			■			▲		Biotinylated ligands, general purpose
PCP-S		Quasi-planar, Streptavidin-coated	●			■				▼	Large biotinylated ligands and/or large analytes such as proteo-/liposomes, virus, VLP
PCH-N		NTA-functionalized	●				■		▲		His-tagged ligands, general purpose
PCP-N		Quasi-planar, NTA-functionalized	●				■			▼	Large His-tagged-ligands and/or large analytes such as proteo-/liposomes, virus, VLP
PCP-P		Quasi-planar, ProteinA/G-functionalized	●					**IgG**		▼	Antibody (IgG) ligands
PCP-L		Quasi-planar, lipid anchors	●					**Lipid**		▼	Hydrophobic ligands such as liposomes, membrane vesicles or fragments. Compatible with large ligands and/or analytes
DXH Upon request		Thick hydrogel		●	■				▲		General purpose
DXH-S Upon request		Streptavidin-coated		●		■			▲		Biotinylated ligands, general purpose
DXP Upon request		Planar		●	■					▼	Large ligands and/or analytes such as proteo-/liposomes, virus, VLP

Legend: Polycarboxylate (PC), Carboxymethyldextran (CMD), Amine-coupling (-NH2), Streptavidin/Biotin coupling (Biotin), His-tag/NTA-coupling (His)

[1] For better results use sulfo-NHS coupling reagent