


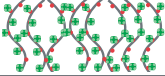

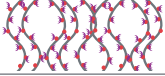




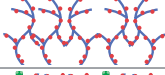
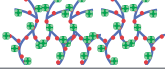



WAVEchips QUICK GUIDE

WAVEchip	SPECIAL CHARACTERISTICS	MATRIX		IMMOBILIZATION MODALITY				CAPACITY		SUGGESTED APPLICATIONS
		PC	CMD	COV	BIOTIN	HIS	OTHER	HIGH	LOW	
PCH 	Thick hydrogel	✓		✓				▲		Large ligand-to-analyte molecular weight ratio. General purpose
PCP 	Quasi-planar	✓		✓					▼	Large ligands and/or analytes such as proteo-/liposomes, viruses, VLPs
PCL 	Thick hydrogel with reduced charges	✓		✓ 1					▼	Complex matrices such as serum, culture supernatant
PCH-STA 	Streptavidin-coated	✓			✓			▲		Biotinylated ligands. General purpose
PCP-STA 	Quasi-planar, streptavidin-coated	✓			✓				▼	Large biotinylated ligands and/or analytes such as proteo-/liposomes, viruses, VLPs
PCH-NTA 	NTA-functionalized	✓				✓		▲		His-tagged ligands. General purpose
PCP-NTA 	Quasi-planar, NTA-functionalized	✓				✓			▼	Large His-tagged-ligands and/or analytes such as proteo-/liposomes, viruses, VLPs
PCP-PAG 	Protein A/G-functionalized	✓					IgG		▼	Antibody (IgG) ligands
PCP-LIP 	Quasi-planar, lipid anchors	✓					Lipid		▼	Hydrophobic ligands such as liposomes, membrane vesicles or fragments. Compatible with large ligands and/or analytes
PCZ 	Zwitterionic polymer	✓							▼	Acidic protein and/or negatively charged ligands. Recommended for positively charged analytes. High non-fouling properties
DXH Upon request 	Thick hydrogel		✓	✓				▲		General purpose
DXH-STA Upon request 	Streptavidin-coated		✓		✓			▲		Biotinylated ligands. General purpose
DXP Upon request 	Planar		✓	✓					▼	Large ligands and/or analytes such as proteo-/liposomes, viruses, VLPs

Legend: polycarboxylate (PC), carboxymethyl dextran (CMD), covalent functionalization through -NH₂, -SH, -CHO, -OH and -COOH (COV), streptavidin/biotin coupling (biotin), His-tag/NTA-coupling (His)

1) For better results use sulfo-NHS coupling reagent