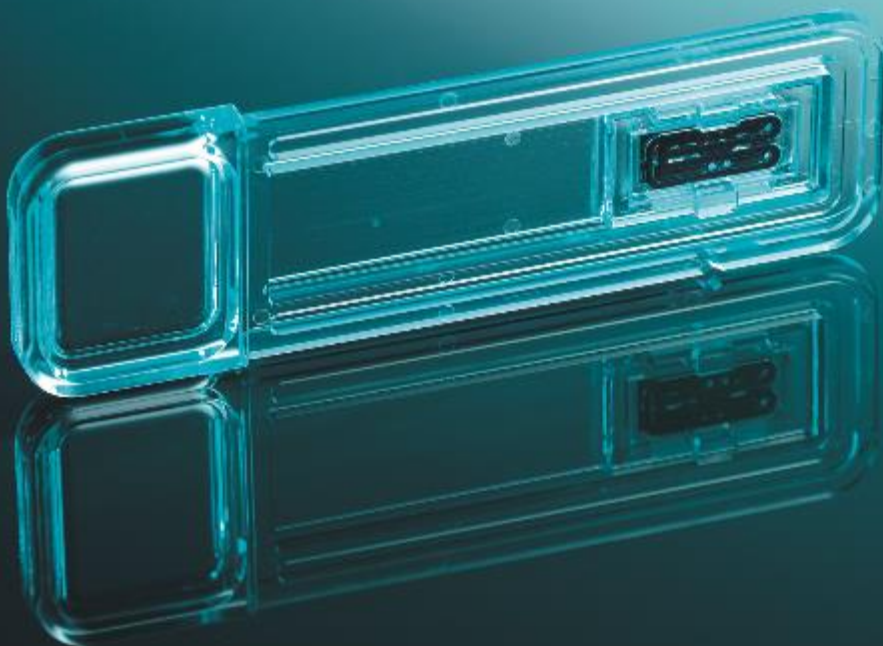


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# WAVEchips

May 2017

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## WAVEchips (2 channels)

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

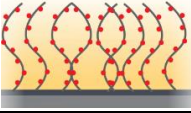
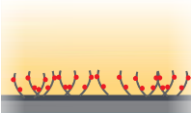
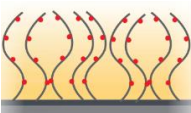
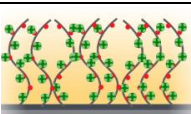


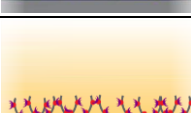

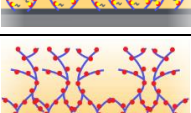
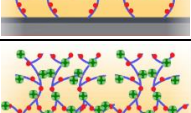

Product Name	Description	Quantity	Order No
WAVEchip 2PCH	Versatile sensor chip with high capacity polycarboxylate functionalization. Suited for immobilization with –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups.	Pack of 1	2PCH-01
		Pack of 3	2PCH-03
		Pack of 10	2PCH-10
WAVEchip 2PCL	Versatile sensor chip with low capacity polycarboxylate functionalization. Suited for immobilization with –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups.	Pack of 1	2PCL-01
		Pack of 3	2PCL-03
		Pack of 10	2PCL-10
WAVEchip 2PCP	Versatile sensor chip with a thin polycarboxylate functionalization. Suited for immobilization with –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups. For molecules and larger particles.	Pack of 1	2PCP-01
		Pack of 3	2PCP-03
		Pack of 10	2PCP-10
WAVEchip 2PCH-N	High capacity sensor chip with pre-immobilized NTA for capturing His tagged molecules	Pack of 1	2PCH-N-01
		Pack of 3	2PCH-N-03
		Pack of 10	2PCH-N-10
WAVEchip 2PCH-S	High capacity sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules	Pack of 1	2PCH-S-01
		Pack of 3	2PCH-S-03
		Pack of 10	2PCH-S-10
WAVEchip 2PCP-N	Thin polycarboxylate sensor chip with pre-immobilized NTA for capturing His tagged molecules or larger particles	Pack of 1	2PCP-N-01
		Pack of 3	2PCP-N-03
		Pack of 10	2PCP-N-10
WAVEchip 2PCP-S	Thin polycarboxylate sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules or larger particles	Pack of 1	2PCP-S-01
		Pack of 3	2PCP-S-03
		Pack of 10	2PCP-S-10
WAVEchip 2DXP-L	low capacity carboxymethyl-dextrane sensor chip with pre-immobilized lipophilic groups for capturing hydrophobic ligands	Pack of 1	2DXP-L-01
		Pack of 3	2DXP-L-03
		Pack of 10	2DXP-L-10

## WAVEchips (4 channels)

For use in our 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 –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups.	Pack of 1	4PCH-01
		Pack of 3	4PCH-03
		Pack of 10	4PCH-10
WAVEchip 4PCL	Versatile sensor chip with low capacity polycarboxylate functionalization. Suited for immobilization with –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups.	Pack of 1	4PCL-01
		Pack of 3	4PCL-03
		Pack of 10	4PCL-10
WAVEchip 4PCP	Versatile sensor chip with a thin polycarboxylate functionalization. Suited for immobilization with –NH <sub>2</sub> , –SH, –CHO, –OH or –COOH groups. For molecules and larger particles.	Pack of 1	4PCP-01
		Pack of 3	4PCP-03
		Pack of 10	4PCP-10
WAVEchip 4PCH-N	High capacity sensor chip with pre-immobilized NTA for capturing His tagged molecules	Pack of 1	4PCH-N-01
		Pack of 3	4PCH-N-03
		Pack of 10	4PCH-N-10
WAVEchip 4PCH-S	High capacity sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules	Pack of 1	4PCH-S-01
		Pack of 3	4PCH-S-03
		Pack of 10	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	4PCP-N-01
		Pack of 3	4PCP-N-03
		Pack of 10	4PCP-N-10
WAVEchip 4PCP-S	Thin polycarboxylate sensor chip with pre-immobilized streptavidin for capturing biotinylated molecules or larger particles	Pack of 1	4PCP-S-01
		Pack of 3	4PCP-S-03
		Pack of 10	4PCP-S-10
WAVEchip 4DXP-L	low capacity carboxymethyl-dextrane sensor chip with pre-immobilized lipophilic groups for capturing hydrophobic ligands	Pack of 1	4DXP-L-01
		Pack of 3	4DXP-L-03
		Pack of 10	4DXP-L-10

# WAVEchip Selection Guide

WAVEchip	Matrix		Immobilization - Modality				Capacity		Special Characteristics	Suggested Applications
	PC	CMD	-NH <sub>2</sub>	Biotin	-His	Other	High	Low		
PCH 	●		■				▲		Thick hydrogel	General purpose Large molecular weight ratio of ligand to analyte
PCP 	●		■					▼	Quasi-planar	Large ligands and/or analytes such as proteo-/liposomes, virus, VLP
PCL 	●		■ <sup>1</sup>				▲		Thick hydrogel with reduced charges	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
DXP-L 		●				Lipid		▼	Quasi-planar, lipid anchors	Hydrophobic ligands, such as liposomes, membrane vesicles or fragments. Compatible with large ligands and/or analytes.
DXH <sup>2</sup> 		●	■				▲		Thick hydrogel	General purpose
DXH-S <sup>2</sup> 		●		■			▲		Streptavidin-coated	Biotinylated ligands, general purpose
DXP <sup>2</sup> 		●	■					▼	Planar	Large ligands and/or analytes such as proteo-/liposomes, virus, VLP

Legend: Polycarboxylate (PC), Carboxymethyl dextran (CMD), Amine-coupling (-NH<sub>2</sub>), Streptavidin/Biotin coupling (Biotin), His-tag/NTA-coupling (His)

<sup>1</sup>) For better results use sulfo-NHS coupling reagent

<sup>2</sup>) Not on stock, upon request only, longer lead-time required, replaced by PCH, PCH-S and PCP, respectively