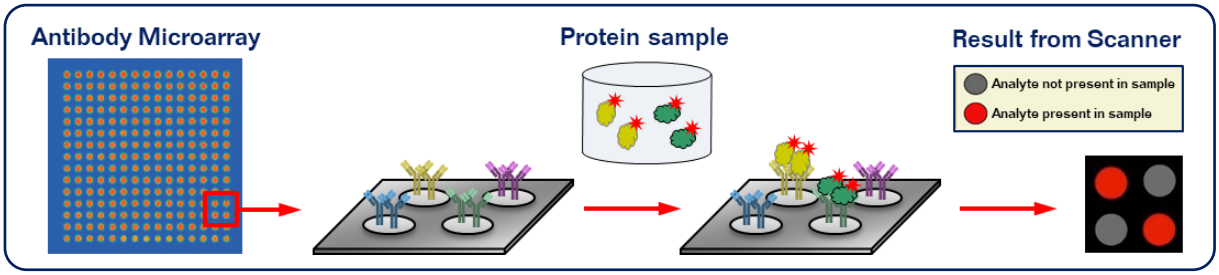
Functionalized Surfaces for Protein Microarrays

Most commonly used Surfaces

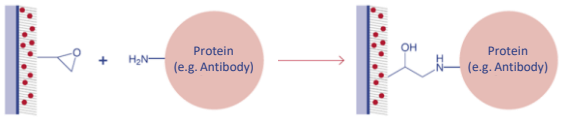
PolyAn
molecular surface engineering

Protein Microarrays are two-dimensional arrays of protein capture moieties (e.g. antibodies) printed onto a solid substrate used to assay a large number of analytes (e.g. antigens) within a sample:



PolyAn's Functionalized Surfaces for Protein Microarrays

2D-Epoxy
3D-Epoxy

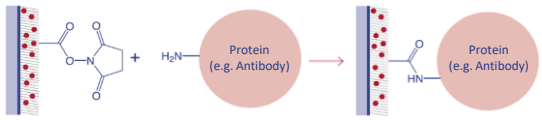


- Peter *et al.*, Methods Mol. Biol. **2018**, 35, 477.
- Hettegger *et al.*, PLoS One **2019**, 14, 218456.
- Allelein *et al.*, Cancers **2022**, 14, 2987.

2D-Aldehyde
3D-Aldehyhe

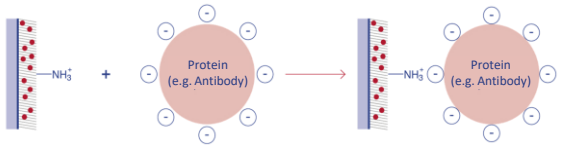
- Moscetti *et al.*, Biophys. Chem. **2017**, 228, 55.
- Goyette *et al.*, Nature. Commun. **2019**, 10, 1781.
- Horta *et al.*, Anal. Chem. **2021**, 93, 6169.

3D-NHS



- Gerdtsson *et al.*, Microarrays **2016**, 5, 16.

2D-Amine



- Itri *et al.*, Sens. Bio-Sens. Res. **2022**, 38, 100536.

Products list

	Glass Slides	Coverslips	Glass Sheets	Polymer Slides	Glass Bottom Plates
Dimensions	**25 x 75 x 1 mm**	**25 x 60 x 0.17 mm**	**74 x 110 x 1 mm**	**25 x 75 x 1 mm**	**1 mm, 96/384 well**
2D-Epoxy	104 00 225	104 00 226	104 00 228	---	00 700 221
3D-Epoxy	104 00 205	104 00 206	104 00 208	104 00 255	00 700 251
3D-Aldehyde	104 00 305	104 00 306	upon request	104 00 355	00 700 301
3D-NHS	104 00 405	104 00 407	104 00 408	104 00 455	00 700 451
2D-Amine	104 00 025	104 00 026	104 00 027	---	00 700 021

Other reactive surfaces, other substrate materials/dimensions, and surface test packages for protein immobilization (104 00 950: 2D-Epoxy/2D-Aldehyde/3D-NHS, 104 00 927: 3D-Epoxy/3D-Aldehyde/3D-NHS) are also available.

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