

# 3D Epoxy 96 Well Microplates

## For Covalent Binding of Biomolecules

3D-Epoxy microplates feature perfect surface properties for covalent binding of proteins and peptides as well as DNA and oligonucleotides in printing and in ELISA applications.

Covalent binding is achieved without additional coupling steps. The only requirement for coupling is the presence of nucleophilic groups like amines, thiols or alcohols in the molecule to be bound.

The 3-dimensional functional matrix of the 3D-Epoxy surface is characterised by a highly homogeneous surface activation and a high chemical and mechanical robustness.

Unspecific binding to the surface is minimised due to the special properties of the 3-dimensional matrix.

Microplates with a 3D-Epoxy surface are available in two versions:

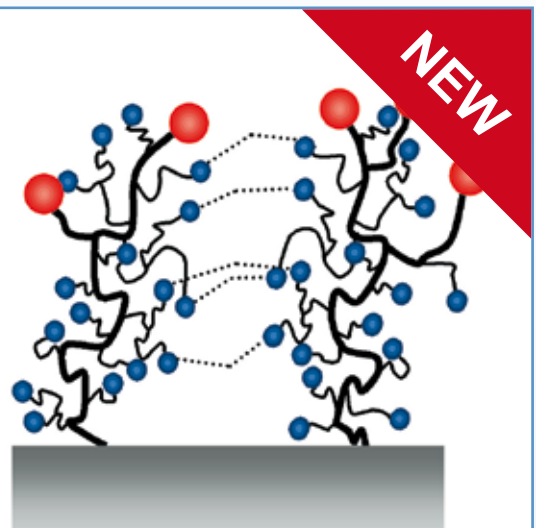
- ☞ With functionalised well bottoms for printing applications
- ☞ Allowing a coating volume of 100 µl for ELISA applications

### Key Facts

- ☞ 3-dimensional functional matrix for covalent binding of biomolecules
- ☞ Free of detectable DNases and RNases
- ☞ Binding without additional coupling steps
- ☞ Low non-specific binding
- ☞ Homogenous surface activation
- ☞ High chemical and mechanical robustness
- ☞ 2 years shelf life

up to  
50 nm

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## Ordering Information

**Samples** are available in the following formats:

- ☞ 96 well microplate, PS, F-bottom/chimney-well, µClear®, black, 3D-Epoxy surface, for printing
- ☞ 96 well strip-plate, 12 x F8 strips, F-bottom, transparent, 3D-Epoxy surface, for printing
- ☞ 96 Well strip-plate, 12 x F8 strips, F-bottom, white, 3D-Epoxy surface, for printing
- ☞ 96 Well strip-plate, 12 x C8 strips, C-bottom, single break, transparent, 3D-Epoxy surface, for ELISA applications
- ☞ 96 Well microplate, U-bottom, transparent, 3D-Epoxy surface, for ELISA applications

**Additional formats are available upon request.**