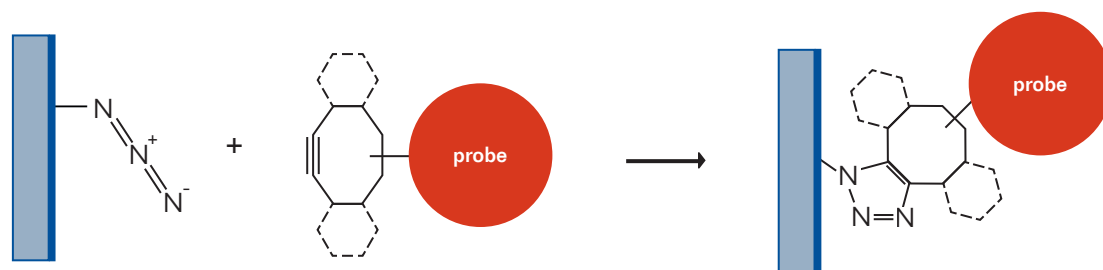


## Functionalized microplates for bio-orthogonal binding

of oligonucleotides, peptides and small molecules containing cyclo-alkyne groups, e.g. DBCO for copper-free SPAAC – Strain Promoted Alkyne-Azide Cycloaddition or alkyne groups for copper-catalyzed CuAAC.

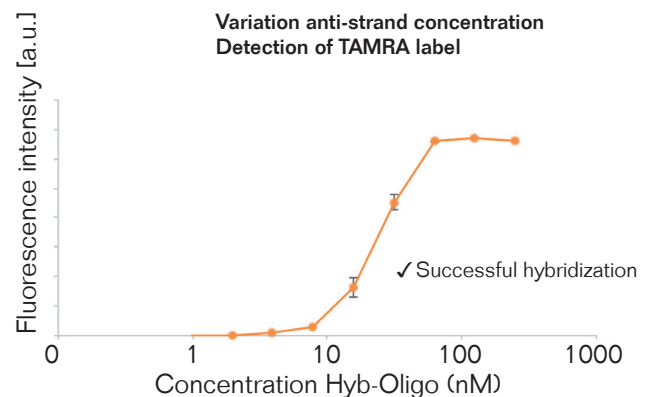
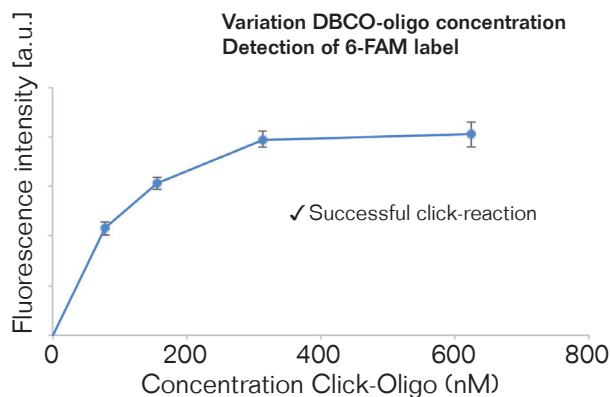
### Key features

- Simple coupling chemistry, highly specific bio-orthogonal reaction
- Alternative to conventional Streptavidin-Biotin immobilization
- Three-dimensional (3D)-surface chemistry comprised of a long-chain polymer containing a defined number of azide groups. The 3D-structure incorporates moieties that reduce unspecific binding
- Polypropylene plates available for applications using organic solvents or aggressive media



### Application example: Immobilization of oligonucleotides via copper-free click-chemistry

1. Immobilization 5'-DBCO-oligonucleotide (20mer) with 3'-6-FAM label via SPAAC in buffer
2. Hybridization with 5'-TAMRA anti-strand in buffer



Product-ID	Title	Packaging Volume
00 695 601	3D-Azide 96 well plate ELISA, C-bottom, transparent, 12 x 8 strip	4 plates / box
00 680 601	3D-Azide 96 well plate, flat bottom, white, 12 x 8 strip	4 plates / box
00 800 601	3D-Azide 96 well Polypropylene plate, F-bottom	4 plates / box

## High performance consumables

PolyAn is a nanotechnology company specialized in Molecular Surface Engineering. Since 1996 PolyAn develops and manufactures consumables for multiplex diagnostics and LifeScience research. This includes the broadest portfolio of microarray consumables (slides, plates) on the market. PolyAn also offers functionalized plates for immunoassays (e.g. ELISA) and has developed a wide range of fluorescence encoded PMMA microparticles (beads) for multiplex bead assays and flow cytometry. Our calibration tools are widely used in fluorescence imaging systems.

## Ordering information

We are looking forward to your telephone orders and technical enquiries at our Customer Service and Technical Service Department Monday – Friday. Office hours for telephone enquiries are 9:00 AM to 6:00 PM (Central European Time).

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