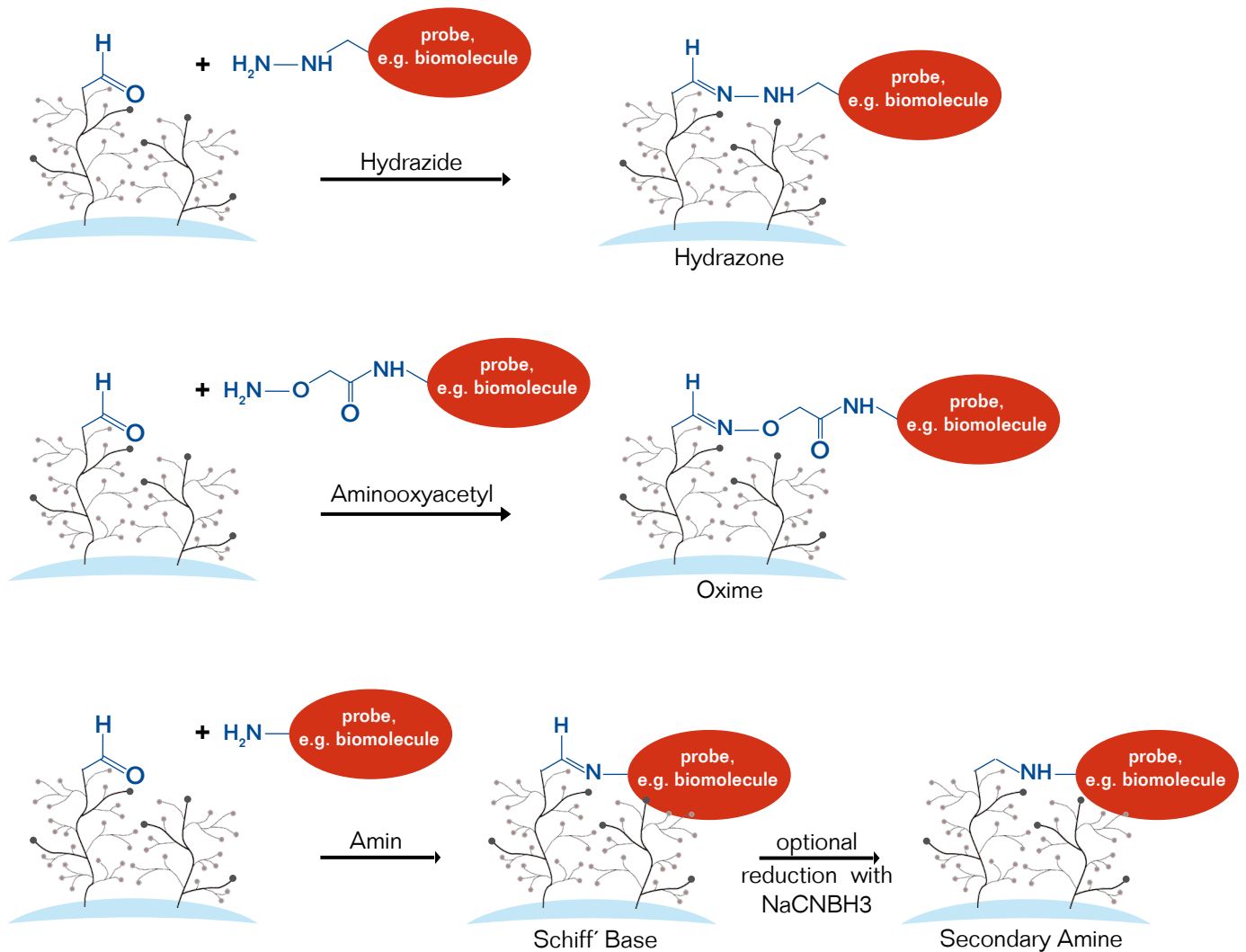


3D-Aldehyde functionalized beads for direct coupling of biomolecules

Aldehyde groups react immediately with the NH₂-terminus or other suitable functional groups of the probe to form a (covalent) bond with the surface. Thus, no activation of the bead surface is necessary prior to binding of the probe. The 3D-Aldehyde matrix has an integrated spacer structure to ensure optimal binding conditions. If necessary, the loading with Aldehyde groups can be adapted to the specific application.



Key features

- Aldehyde groups bind to Amines, Hydrazines and Aminoalkoxyacetyl modified biomolecules
- Suitable for one-step coupling of biomolecules, no activation of surface with Glutaraldehyde necessary
- Different Aldehyde loadings on beads are possible
- Wide range of sizes to choose from - 2 μm to 20 μm
- Both transparent and fluorescence encoded beads as well as multiplex beads are available

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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