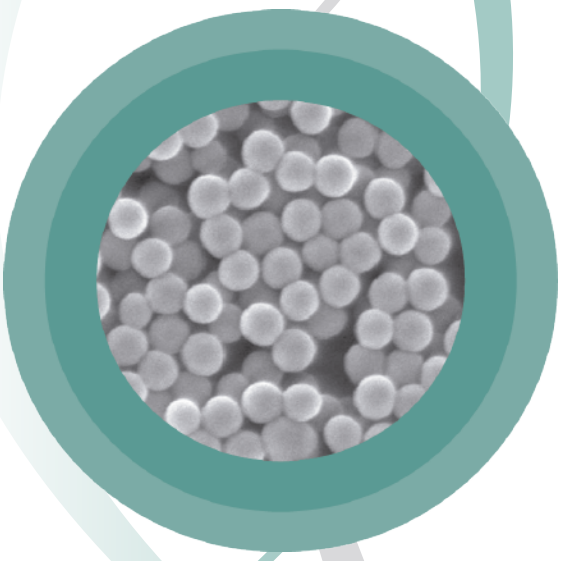

Technical data sheet 0301

PolymP®-Link

PolymP®-Link are **spherical particles** with **a preactivated surface** (containing 3-atom spacer) for **direct covalent immobilisation** of biomolecules.

Our revolutionary technology has allowed the development of spherical and uniform particles that directly covalently attach any biomolecule under mild conditions of temperature and pH (RT and physiological pH) and in a short period of time.

Furthermore, PolymP®-Link do not need to be pre-activated for the immobilisation of biomolecules.

Characteristics

Name	Composition	Size
PolymP®-Link	Acrylic based polymers	~ 1 and 2.5 µm

Storage and Stability

Store at 4-8 ºC. **Do not freeze!**

Ordering information

Reference	Description	Size
03-01-10	PolymP®-Link-1.0 µm	0.3 g
03-02-25	PolymP®-Link-2.5 µm	0.3 g

sales@nanomyp.com

www.nanomyp.com

This product is for research use only is not intended for use in humans or for in vitro diagnostic use.

Coupling recommendations

PolymP®-Link particles have been designed to the covalent attachment of thiol-, amine- and/or imidazole-containing biomolecules, resulting in a highly bioactive material. In order to ensure an optimal attachment, NanoMyP® suggests the following experimental considerations:

- **Buffer composition:** To covalently attach proteins through the amino group, we recommend the use of phosphate buffer 50-100 mM pH = 8. Anyway, the binding can be carried out in a pH range between 7 and 11, and any buffer without groups: -SH, $-NH_2$, or -NH- can be used.

- **Anchoring conditions:** Biomolecules can be incubated at any temperature between 0 to 40ºC. Nevertheless and as it is well known, the immobilisation rate depends on the binding-kinetics (strongly influenced by temperature) so to ensure the maximum concentration of immobilised biomolecule, NanoMyP® suggests an incubation time of 24h and at 37ºC. PolymP®-Link are resistant in a temperature range from 0 to 100 ºC.