

This certificate is an example. A complete certificate containing lot-specific information, such as concentration and volume, will be shipped with your purchase.

## PD-Chromeo™ 546 Tensidic-blocked (PD Nanoparticles)

**Catalog No:** 15222, 16222

**Lot No:** Not Available

### Chemical Properties:

Contents: Supplied as a 5 ml (Cat # 15222) or 10 ml (Cat # 16222) aqueous suspension of PD-Chromeo 546 Tensidic blocked, 0.5 % (w/w) in 10 mM MOPS + 0.5 % (w/w) Tween, pH 7, 15 mM sodium azide.

### Fluorescent Properties:

PD-Particles are based on a novel polymer, which form lattices similar to polystyrene, but with a highly reduced oxygen permeability. Therefore the decay time and the intensity of the incorporated dye-molecules are nearly independent of the oxygen concentration in the sample. In addition, the polymer protects the dye from other environmental effects. The particles are smaller than 100 nm, their surface is carboxy-modified and is blocked with Tween.

PD-Nanoparticles are “loaded” with the lipophilic-form of Chromeo 546, showing similar fluorescent properties as the yellow-orange Cy3 dye. Filters designed for Cy3 can be used with Chromeo 546 carboxylated particles.

Excitation Max: 522, 555 nm

Emission Max: 574 nm

Diameter (average): 40 nm

Delivery form: 0.5 % (w/w) in buffer

### Quality Control:

The particles have been quality tested by spectro-photometrical evaluation and by determining the solid residue after lyophilization.

### Storage:

To ensure stability, the aqueous suspension should be stored at 4°C in the dark.

Caution: Do not dry or freeze; do not use more than 5% organic solvent. This product is guaranteed for 12 months from the date of arrival.

