

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™ 642 carboxylated (PD Nanoparticles)

Catalog No: 15320, 16320

Lot No: Not Available

Chemical Properties:

Contents: 5 ml (Cat # 15320) or 10 ml (Cat # 16320) aqueous suspension of PD-Chromeo 642 carboxylated, 0.5 % (w/w) in 10 mM MOPS, 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 carboxylated.

PD-Nanoparticles are “loaded” with the lipophilic-form of Chromeo 642, showing similar fluorescent properties as the red Cy5 dye. Filters designed for Cy5 can be used with Chromeo 642 carboxylated-particles.

Excitation Max: 609, 651 nm

Emission Max: 677 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.

