
CD Bioparticles Introduces Innovative Fluorescent Polymers to Support Research

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As a leading manufacturer and supplier of various drug delivery products and services, CD Bioparticles now introduces a series of fluorescent polymers such as fluorescent dextrans, fluorescent heparins, and fluorescent alginates for potential applications in fluorescent nanoparticle/scaffold/hydrogel preparation, tracking and detection of cell uptake (e.g. macrophage), being able to conjugate with biomolecules for cell-specific and tissue-specific targeting, tracking, and detecting, and PK/PD analysis.

With precise design and advanced technology platform, [CD Bioparticles](#) has a deep understanding of various delivery strategies and applications, which can help researchers get rid of tedious chemical synthesis, formulation, and purifications. CD Bioparticles can also help solve other challenges scientists might meet during the research, such as hard to track and image the distribution of the polymer based (nano-)materials, limited wavelength coverage for tracking and detection experiments, non-active fluorescent polymers which cannot be conjugated with other molecules, and issue of quenching or fluorescence compensation.

Researchers now are accessible to various newly released fluorescent polymers, such as the fluorescent dextrans, which are featured with Mw ranges from 6 kDa to 2000 kDa and additional functional group useful for further conjugation and modification, and fluorescent Lipid PEGs, which are useful for visualizing the post-PEGylation of liposomes and biocompatible and fluorescent building blocks of nanostructures.

"CD Bioparticles has been engaged in the drug delivery field for years and have strong and broad expertise and experience, and we're glad to be able to provide our clients with multi-functional groups for further-modifications and labeling purposes, with wide coverage of the fluorophores and the wide coverage of the molecular weight of the polymers." said Prof. Jeffrey A. Depaul, M.D., the chief scientific officer of R&D department of CD Bioparticles.

"Our fluorescent polymers also have many benefits to our customers, such as consistent

reaction efficiency of the functionalized fluorescent polymers, precise control of the fluorophore substitution, and well-control of the intensity-concentration dependence. We will further strengthen our customized drug delivery solutions and strive to deliver more technologies, products and services to the science field." said Dr. Robin J. Watts, the scientific officer of R&D department of CD Bioparticles.

Read the [original article](#) on Labs Explorer.