

BioTracker™ 515 Green Zn²⁺ DA Dye

Live Cell Dye

Cat. # SCT032

pack size:1mg

FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.
NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Store at -20°C



Data Sheet

page 1 of 2

Background

Zinc (Zn²⁺), is a trace nutrient critical for physiological function. Although most biological zinc ions are tightly associated with proteins, pools of loosely bound or mobile forms serve regulatory or signaling functions, including nucleation of protein self-assembly, triggering of signaling pathways, and modification of cellular metabolism.

The BioTracker™ 515 Green Zn²⁺ Dye is a fluorescent imaging probe for the detection of Zn²⁺ in living cells. The BioTracker 515 Green Zn²⁺ Dye has high solubility, so that it is not permeable through the cell membrane. BioTracker 515 Green Zn²⁺ Dye DA has an additional acetyl group which make the reagent go inside the cell much easier, and the acetyl group is removed by the intracellular esterase which make the reagent stay inside the cell for extended periods of time.

Concentration of the provided sample is 5 mmol/L in DMSO. Dilute 1000 times with neutral buffer before use.

Storage

Store BioTracker 515 Green Zn²⁺ DA Dye at -20°C, desiccate and protect from light

Note: Centrifuge vial briefly to collect contents at bottom of vial before opening.

Spectral Properties

Absorbance: 492nm

Emission: 515nm

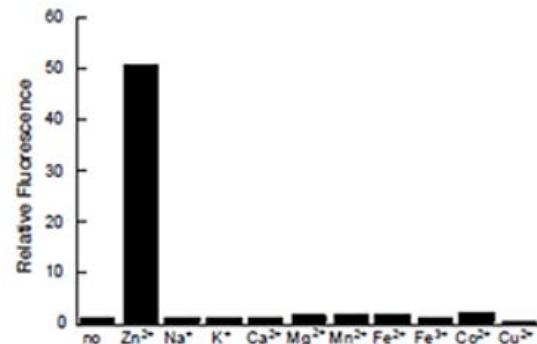


Figure 1. Fluorescent intensity of BioTracker 515 Green Zn²⁺ Dye with various metal ions.

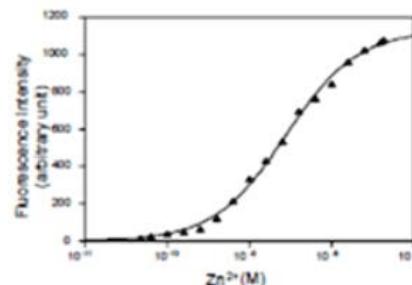


Figure 2. Fluorescence intensity of BioTracker 515 Green Zn²⁺ Dye with Zn²⁺

Please visit www.millipore.com for additional product information and references.

Submit your published journal article, and earn credit toward future purchases. Visit www.millipore.com/publicationrewards to learn more!

BioTracker™ 515 Green Zn2+ DA Dye

Cat # SCT032

BioTracker™ is a trademark of Merck KGaA

 antibodies  Multiplex products  biotools  cell culture  enzymes  kits  proteins/peptides  siRNA/cDNA products

Please visit www.millipore.com for additional product information, test data and references

EMD Millipore Corporation, 28820 Single Oak Drive, Temecula, CA 92590, USA 1-800-437-7500

Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures. Not for human or animal consumption. Purchase of this Product does not include any right to resell or transfer, either as a stand-alone product or as a component of another product. Any use of this Product for purposes other than research is strictly prohibited.

EMD Millipore®, the M mark, Upstate®, Chemicon®, Linco® and all other registered trademarks, unless specifically identified above in the text as belonging to a third party, are owned by Merck KGaA, Darmstadt, Germany. Copyright ©2008-2018 Merck KGaA, Darmstadt, Germany. All rights reserved.



We Buy 100% Certified
Renewable Energy