

# Product Data Sheet

Date of Issue: 26 Nov 2019

## 1. Product Information

- Product Name : FSD Fluor™ 488 Phalloidin
- Catalog Number : RCS2114
- Packing Unit : 300 tests
- Appearance : Orange Solid
- Storage Conditions : -20 °C, protect from light

## 2. Additional Information

- Fluorophore Label : FSD Fluor™ 488
- Excitation<sub>Max</sub> : 495 nm
- Emission<sub>Max</sub> : 519 nm

## 3. Description

FSD Fluor™ 488 Phalloidin is a filamentous actin (F-actin) labeling probe that phalloidin is conjugated with our bright, photostable FSD 488. Phalloidin is a rigid bicyclic peptide toxin isolated from Amanita phalloides mushroom that commonly used in imaging applications to selective label F-actin. Phalloidin binds stoichiometrically with actin. Fluorescent phalloidin conjugates are not permeable to most live cells, thus they should be used to detect cells with compromised membranes. However, fluorescent labeled phalloidins may penetrate the membranes of certain hypoxic cells. We offer FSD Fluor™ 488 Phalloidin for the labeling and quantitative analysis of F-actin in formaldehyde-fixed and permeabilized tissue sections, cell cultures, and cell-free experiments.