

Fluorescein Diacetate/ Propidium Iodide Stain

F23214

Storage

4°C in the dark

Propidium Iodide stain

-20°C in the dark

Fluorescein Diacetate Stain

Product Description

F23103 Propidium Iodide Stain

F23211 Fluorescein Diacetate Stain

FDA/PI Stain is a combination of fluorescent dyes for assessing the viability of diverse cell types including mammalian cells, yeast, and pollen grains. FDA is a non-fluorescent dye that permeates cell membranes, undergoing hydrolysis by the esterase activity of viable cells and producing the green fluorescent compound fluorescein. FDA can be retained in viable cells with intact membranes, acting as a live cell marker. PI, a red membrane-impermeable dye, selectively penetrates dead or damaged cells with compromised membranes. PI is a commonly used dead cell marker binding to DNA and RNA through intercalation. Upon binding, a fluorescence intensity of PI can be increased by 20- to 30- fold higher.

Directions for Use

1. Mix:
 - 1 μ L Fluorescein Diacetate Stain
 - 1 μ L Propidium Stain
 - 18 μ L cell sample
2. Incubate the mixture at room temperature for 5 minutes.
3. Count the sample with a compatible LUNA™ automated cell counter.
 - 1 μ L Fluorescein Diacetate Stain



HEADQUARTERS

FL 3
28 Simindaero 327beon-gil, Dongan-gu
Anyang-si, Gyeonggi-do 14055
South Korea

Tel: +82 (31) 478-4185

USA

7700 Little River Turnpike STE 207
Annandale, VA 22003
USA

Tel: +1 (703) 622-4660, +1 (703) 942-8867

EUROPE

1 allée Lavoisier 59650 Villeneuve d'Ascq
France

Tel: +33 (0)3 74 09 44 35

www.logosbio.com

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Please consult the material safety data sheet for information regarding hazards
and safe handling practices.

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