

# Fluorescein Diacetate/ Propidium Iodide Stain

F23214

## Storage

4°C in the dark  
Propidium iodide stain

-20°C in the dark  
Fluorescein Diacetate Stain



by ALIGNED GENETICS

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

## Disclaimer

This product is for research use only.  
Please consult the material safety data sheet for information regarding hazards and safe handling practices.

Additional information is available on our website [www.logosbio.com](http://www.logosbio.com).  
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