

## CytoLiner™ Fixed Cell Membrane Stains

Novel lipophilic fluorescent dyes for selective staining of the plasma membrane in formaldehyde-fixed cells. Available in 6 colors, from blue to near-IR.



### Product attributes

<b>Probe cellular localization</b>	Membrane/cell surface
<b>For live or fixed cells</b>	For fixed cells
<b>Assay type/options</b>	Endpoint assay
<b>Fixation options</b>	Fix before staining (formaldehyde), Permeabilize before staining
<b>Colors</b>	Blue, Green, Red, Far-red, Near-infrared

### Product Description

CytoLiner™ Fixed Cell Membrane Dyes are novel lipophilic fluorescent dyes developed specifically for selective plasma membrane staining in fixed cells for microscopy. The dyes are engineered for robust and consistent staining of formaldehyde-fixed cells, and are suitable for downstream immunofluorescence staining protocols.

### Novel Membrane Dyes Designed for Fixed Cells

While classic lipophilic membrane dyes like DiI can be used to stain formaldehyde-fixed cells, staining can be highly variable due to the poor solubility of the dyes. CytoLiner™ Dyes are a new generation of membrane dyes uniquely engineered to permit selective staining of the plasma membrane in fixed and mildly permeabilized cells. CytoLiner™ staining is compatible with formaldehyde fixation and mild detergent permeabilization before staining. Staining can tolerate blocking agents used during immunofluorescence staining protocols, allowing subsequent staining with antibodies and other probes. The dyes also are compatible with poly-L-lysine coated cultureware and Transwell® permeable filter supports. CytoLiner™ Dyes are available in a selection of 6 colors from blue to near-IR.

#### Superior Staining Performance Over Classic Membrane Dyes

#### Suitable for Co-Staining with Antibodies and Other Probes

### Find the Right Stain for Your Application

CytoLiner™ Dyes are part of Biotium's family of unique and innovative cell membrane stains designed for specific applications. For workflows requiring staining live cells before fixation, we recommend our [CellBrite® Fix Membrane Stains](#) or [MemBrite® Fix Cell Surface Staining Kits](#). Biotium also offers CF® Dye conjugated lectins, including [Concanavalin A \(Con A\)](#) and [Wheat Germ Agglutinin \(WGA\)](#), for visualizing cell surfaces in live or fixed cells. For longer term monitoring of cell surfaces in live cells, we recommend [CellBrite® Steady Dyes](#). To find the right stain for your application, see our [Membrane & Cell Surface Stains Comparison](#), or download our [Membrane & Surface Stains Brochure](#).

Watch our video where Technical Applications Scientist II, Jacqueline Steenhuis PhD answers your top questions about Biotium's various membrane stains for fluorescence microscopy.

For additional support or product recommendations, contact us at [techsupport@biotium.com](mailto:techsupport@biotium.com).

## CytoLiner™ Fixed Cell Membrane Stains

Product	Ex/Em	Detection Channels	Size	Catalog Number
<a href="#">CytoLiner™ 410/450</a> 1000 Labelings	406/446 nm <a href="#">30131</a>	DAPI/Pacific Blue™	250 Labelings	<a href="#">30131-T</a>
<a href="#">CytoLiner™ 495/510</a> 1000 Labelings	492/510 nm <a href="#">30132</a>	FITC	250 Labelings	<a href="#">30132-T</a>
<a href="#">CytoLiner™ 570/590</a> 1000 Labelings	573/592 nm <a href="#">30133</a>	Cy@3/TRITC	250 Labelings	<a href="#">30133-T</a>
<a href="#">CytoLiner™ 650/675</a> 1000 Labelings	647/674 nm <a href="#">30134</a>	Cy@5	250 Labelings	<a href="#">30134-T</a>
<a href="#">CytoLiner™ 680/710</a> 1000 Labelings	682/707 nm <a href="#">30135</a>	Cy@5.5	250 Labelings	<a href="#">30135-T</a>
<a href="#">CytoLiner™ 785/815</a> 1000 Labelings	787/819 nm <a href="#">30140</a>	Alexa Fluor® 790	250 Labelings	<a href="#">30140-T</a>