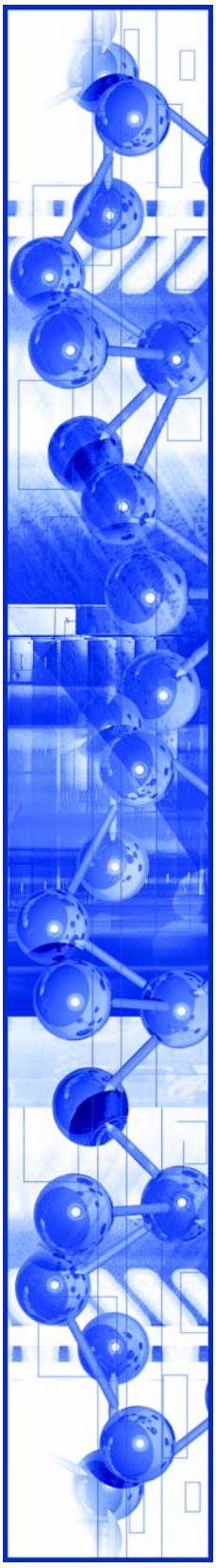

Quick-View™ Fluorescent Viability Stain

Code	Description	Size
N600-5ML	Quick-View™ Fluorescent Viability Stain	5 ml

General Information:

Quick-View™ Fluorescent Viability Stain is a ready-to-use staining reagent for easy discrimination between live and dead mammalian cells. Supplied in an easy-to-use dropper bottle, the single staining solution is a mixture of Acridine Orange for live cell identification and Ethidium Bromide for identification of dead cells. The Acridine Orange stained live cells appear green and Ethidium Bromide stained dead cells appear red when visualized by fluorescence microscopy.

The Quick-View™ Fluorescent Viability Stain is sensitive, fast and reliable. The cells and stain solution are simply mixed 1:1 and are immediately ready for visualization. Washing, incubation and fixation steps are eliminated. The set up, clean up and storage is simple and easy with minimal contact with reagents. The versatile stain can be used for both cells in suspension as well as adherent cells.

Storage/Stability:

Store the reagent protected from light at 4^{o} C.

Excitation/Emission

Ethidium Bromide: Ex/Em=510/595 nm
Acridine Orange: Ex/Em=500/530 nm

Application Disclaimer

For Research Use Only.
Not for Therapeutic or Diagnostic Use.

Protocol:

Reagents:
Quick-View™ Fluorescent Viability Stain

Required reagents/instruments not included:

- Fluorescent microscope equipped with the appropriate red/green filters >>Dianne
- Hemocytometer

Note: **Use proper handling with the Quick-View™ Fluorescent Viability Stain. Both stains are present in very dilute concentrations in this preparation and do not require any hazardous warnings or labeling. However, be aware that both stains are suspected carcinogens.**

Procedure:

1. Prepare a single cell suspension to an estimated 1-5 x 10^6 cells/ml.
2. Dispense a single drop (20µl) of dye reagent on a piece of parafilm.
3. Add an equal volume of cells to the dye and mix by pipetting up and down gently 1-2 times.
4. Dispense 20µl under the coverslip of a hemocytometer.
5. Visualize cells for counting:
   - Under visible light focus the microscope so the grid of the hemocytometer is visible.
   - Reduce the diaphragm so that the grid of the hemocytometer is just visible.
   - Turn on the fluorescent light and use the appropriate emission and excitation filters to observe and discriminate between the different cell populations.
     Live cells will appear green using filters for Acridine Orange, Ex/Em: 500/530nm.
     Dead cells will appear red using filters for Ethidium Bromide Ex/Em: 510/595nm.
   - Obtain cell counts and calculate viability.

Related Products

Code	Product
Antibiotics	
0339-25G	Ampicillin, Sodium Salt
E859-1G	G418 Sulfate (Geneticin)
0242-1BU	Penicillin G Sodium Salt
0382-500G	Streptomycin Sulfate

A complete listing of all antibiotics is available in the AMRESCO catalog or on the website.

Buffered Saline Solutions

K812-20L	PBS, 1X, Sterile, Dulbecco's Formulation
0788-2PK	20X TBS Ready-Pack

A complete listing of all buffered saline products is available in the AMRESCO catalog or on the website.

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