

Great cell Biology assays

Ca²⁺: [Fluo-8](#)

Cell Viability: [Uptibblue](#)

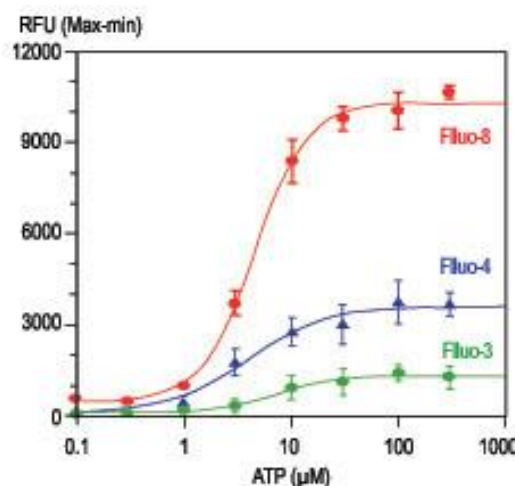
Fluo-8, the new generation of calcium probes

- **Improved signal intensity** twice that of Fluo4
- Loading of the dye in the cell at room temperature*
- The removal of medium in assay can be avoided
- More photostable; Great for transient Ca²⁺ burst
- Amenable to HTS

λ_{exc./em.}: 490/514 nm

K_d: 389nM

[Prices and technical sheet on line](#)



Fluo-8 NW Calcium Assay Kit *Medium Removal	CJ2560, 10 plates*	CJ2561, 100 plates
Fluo-8 NW Calcium Assay Kit *1% FBS Growth Medium	CJ2550, 10 plates*	CJ2550, 100 plates
* contains Fluo-8 NW, and buffers for performing analysis with 10 plates (96wells, or 384wells)		
Fluo-8-AM	CP7501, 5x50μg	CP7502, 10x50μg
		CP7504, 1mg

NEW: Fluo8 is now available with versions with different K_d: 232nM (CP753), and 1.86μM (CP755)

Fluo-8 improves greatly calcium flux assays you have done with Fura2, Fluo3 and even Fluo-4. It's AM ester cross easily cell membranes facilitating the loading of cells, quicker and possible at room temperature (when Fluo-4 need at 37°C). Once inside, AM cleavage by cell esterases and Ca₂₊ binding yield the brightest Ca⁺ probe Fluo-8.

Fluo-8 assay is available in 2 formats, one avoiding to remove the medium during the assay. This method, besides application to cytometry and microscopy, it is especially ideal for screening, as the assay can be performed in 96- or 384- well microtiter plate format and easily adapted to automation.

Applications

Because calcium ion is an important intracellular messenger, responsible for the activation and deactivation of numerous biological events in cells, including neurosynaptic transmission, secretion of hormones, muscle contraction... Fluo-8 is useful to study numerous events in cells in areas of neurology, cardiology, cancerology... i.e.

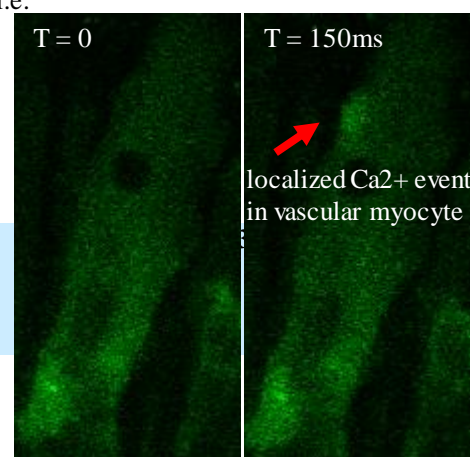
- Monitoring Ca²⁺ flux / intracellular calcium mobilization
- study of Ca²⁺ channels activity
- monitoring G-protein-coupled receptors (GPCRs)

Related products

Fluo-3-AM	FP-78932A, 1mg
Fluo-3-AM FluoroPure grade	FP-R1245A, 50mg
Fluo-3-AM 1% solution in DMSO	FP-M203A, 1ml
BAPTA-AM	FP-486103, 25mg

Over 1000 other fluorescent probes for cell biology studies are available.

Fluo-8™ is a trademark from ABD



UptiBlue viable cell counting reagent

A superior alternative to MTT based assays

UptiBlue measures the energy state of cells (redox potential).

It has similar applications than MTT and other formazan assays, furthermore it has many benefits including:

- measures cell viability in absorbance or fluorescence
- more sensitive
- more convenient to use (no solubilization/extraction step)
- not toxic to cells (useful for long term studies) nor to user
- more flexible: works also for bacteria, yeast, adherent cells

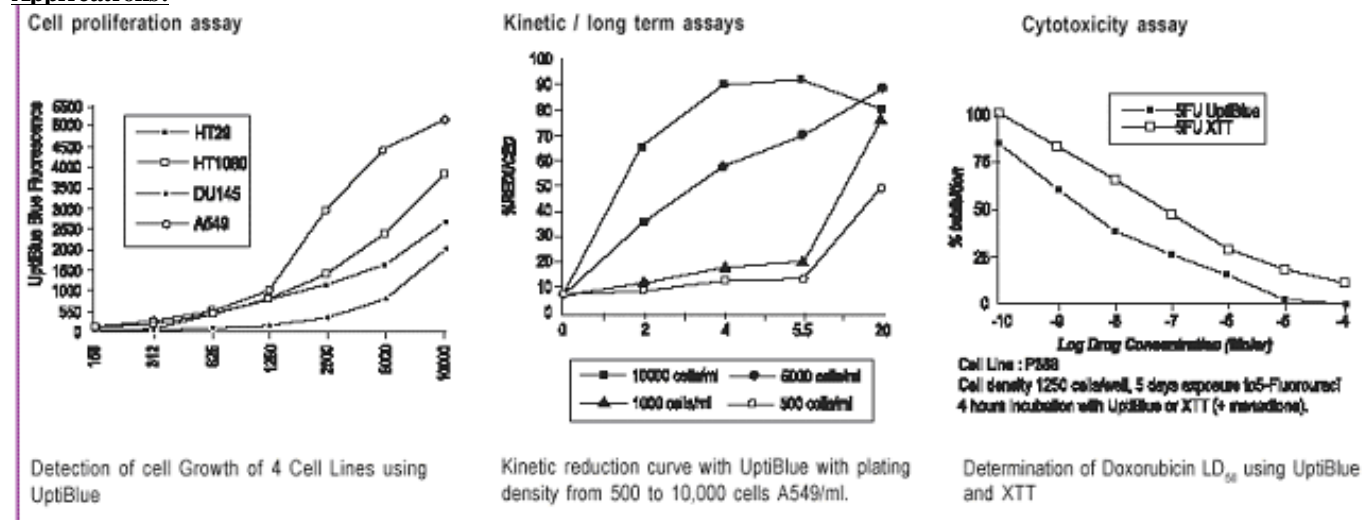
[Price and technical sheet on line](#)

UptiBlue™ Viable Cell Counting Reagent

UP669412, 25ml

UP669413, 100ml

Applications:



Related products

MTT (Thiazoyl Blue Tetrazolium Bromide, Ultrapure, CAS: 298-93-1)

FP-65939A, 1g

More [cell viability assays](#)[]. See also [ATP assays](#)[], [Cytotoxicity assay](#)[]

Information inquire

Reply by Fax : +33 (0) 4 70 03 82 60 or email at interbiotech@interchim.com

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