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Tools to enable the life science revolution

CytoFluor® II Fluorescence Reader

PerSeptive Biosystems have a track record of introducing products that bring real benefits to life science research.
We are continually in contact with scientists like yourself, and this dialogue results in products that truly reflect your needs.
The CytoFluor® II is being successfully used for a wide variety of assays, including a range of cell based procedures and fluorescent ELISA's.
In addition, using the CytoFluor® II and fluorescent chemistries can enhance many traditional biochemical and molecular biology assays.
Quantitative fluorescence assays are not only powerful replacements for radioactive and colorimetric assays, but they are also...

- Faster
- More specific
- More sensitive
- More convenient
- More stable

...than other types of assay.

Fluorescent ELISA's

The performance of ELISA assays can be dramatically improved by simply substituting fluorogenic for colorimetric substrates. Typically gains are 10 to 100 fold in the sensitivity of a well designed assay.
This added sensitivity becomes particularly important if you use rare or expensive antigens or antibodies, or if you wish to run your assay faster. A wide variety of fluorogenic substrates are available for all the major ELISA enzymes, including alkaline phosphatase and beta-galactosidase.

Fluorescent Cell Adhesion Assays

Cell adhesion, whether it involves attachment of cells to other cells or to extracellular substrates, plays a crucial role in regulating cellular and tissue interactions including -

- inflammation
- microbial infection
- neural development
- metastasis
- tumour development

Now you can investigate these processes by measuring the cell adhesion phenomenon itself. Furthermore, this can be done without altering the physiological interaction between CAMs, their receptors, blocking agents, or analogs.
Applications include the measurement of:

- changes in cell adhesion
- cell toxicity
- cell viability
- cell counting
- proliferation studies

...and many more

Biochemical & Molecular Biology Assays

A range of other assays show performance improvements similar to those achieved with ELISA. By reading in opaque microwell plates with the convenient "top reading" feature of the CytoFluor® II, assays can yield enhanced sensitivity.
The intuitive software can control both timing and intensity of the integral plate shaker, and simple templates speed up and optimise assay conditions.

PerSeptive Biosystems

25/11/95

PerSeptive Biosystems

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The CytoFluor® II - Looking To The Future

The NEW CytoFluor® II has been designed with not only today's needs in mind. It is a flexible system that will set the standard in the future. It can read the small volumes (10-20µl) of a Terasaki plate, further helping investigators save on reagent costs.
High throughput screening is facilitated by the NEW robotics-friendly features built in to the hardware and software of the CytoFluor® II, further details are available on request.

Name: .....

Department: .....

Organisation: .....

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PLEASE SEND ME MORE INFORMATION ON THE FOLLOWING:

INTERESTED	USING	INTERESTED	USING	INTERESTED	USING
○	☐ Cell Adhesion	○	☐ Total protein	○	☐ Leukocyte assays
○	☐ Apoptosis	○	☐ Total DNA + RNA	○	☐ Chemotaxis
○	☐ Cell Viability	○	☐ Specific DNA	○	☐ Phagocytosis
○	☐ Fluorescent ELISAs	○	☐ DNA hybridization	○	☐ Signal transduction
○	☐ Cell Counting in multi-well plates	○	☐ DNase activity	○	☐ Receptor studies
		○	☐ RNase activity	○	☐ Calcium/Fluo3
○	☐ Proliferation	○	☐ Gene expression	○	☐ pH
○	☐ Proteases	○	☐ PCR-product	○	☐ Chlorophyll
○	☐ Neutral Red	○	☐ QC for TC	○	☐ Terasaki Reader
○	☐ Tox testing	○	☐ Cell monolayer integrity	○	☐ Cell monolayer integrity
○	☐ Cell toxicity	○	☐ Mitochondrial activity	○	☐ Robotics-friendly capability
○	☐ Cytochrome-P450	○	☐ F-actin	○	☐ Other.....
○	☐ Porphyrin	○	☐ Esterases		
○	☐ Glutathione	○	☐ Bacterial cell adhesion		
○	☐ LDH - NAD/NADH	○	☐ Proteases/Peptidases		
○	☐ Fluorogenic MTT	○	☐ Oxidative Rxns		