



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

IncuCyte[®] Annexin V Reagents for Apoptosis

Catalog numbers: 4641 and 4642

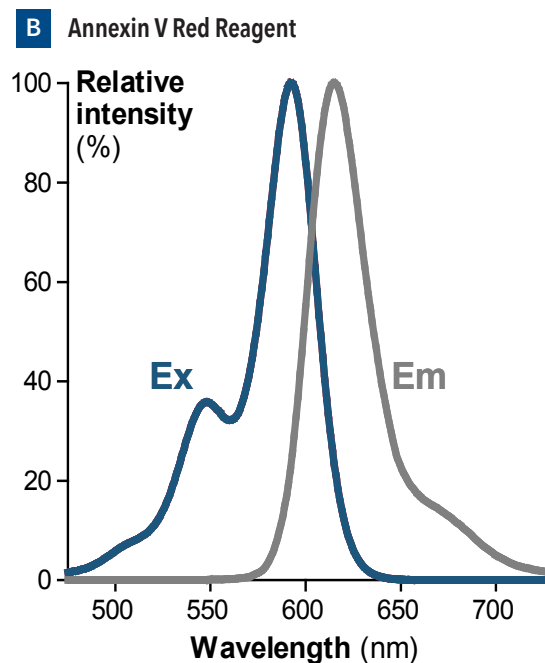
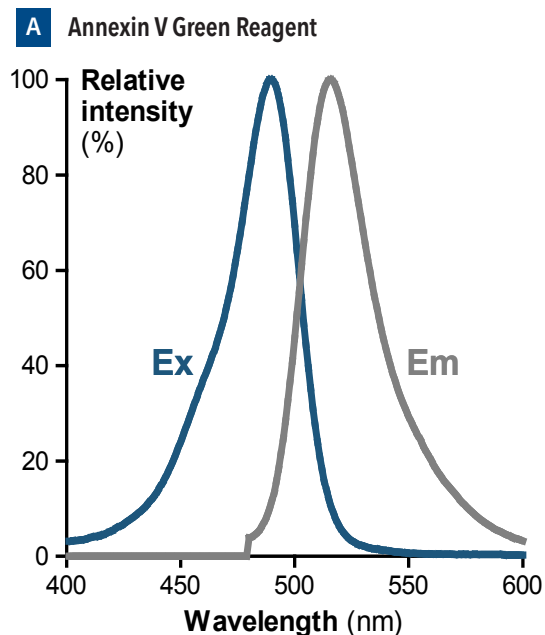


Figure 1. Excitation and emission spectra for the (A) Annexin V Green and (B) Annexin V Red fluorophores conjugated to goat anti-mouse IgG in PBS (pH 7.4).

Presentation, storage and stability

IncuCyte[®] Annexin V Reagents are supplied as lyophilized solid in sufficient quantity capable of performing 100-200 tests (1 test = 1 well of 96-well microtiter plate). The lyophilized solid should be stored at -20°C and once solubilized, the solution should be stored at +4°C and protected from light. When stored as described the lyophilized solid will be stable for at least 2 years and the solution for at least 1 week.

Background and intended use

The IncuCyte Annexin V Reagents are specially formulated highly-selective cyanine-based fluorescent dyes ideally suited to a simple mix-and-read, real-time quantification of apoptosis. Addition of the IncuCyte Annexin V Reagents to normal healthy cells is non-perturbing to cell growth or morphology and yields little or no intrinsic fluorescent signal. Once cells become apoptotic, plasma membrane phosphatidylserine (PS) asymmetry is lost leading to exposure of PS to the extracellular surface and binding of the IncuCyte Annexin V Reagent, yielding a bright and photostable fluorescent signal. With the IncuCyte[®] integrated analysis software fluorescent objects can be quantified and background fluorescence minimized.

These pre-aliquoted reagents have been specially formulated and validated for use with the IncuCyte[®] live-cell analysis system and enable real-time evaluation of cell membrane integrity and apoptosis in response to pharmacological or biological agents and/or genetic and environmental factors. Furthermore, the IncuCyte[®] Annexin V Reagents can be combined with the IncuCyte[®] confluence metric, IncuCyte[®] Caspase-3/7 Reagent, IncuCyte[®] NuLight™ nuclear labeling reagents or IncuCyte[®] Cytotox Reagents for multiplexed measurements of apoptosis, cell proliferation or cytotoxicity in every assay well.

Recommended use

We recommend that the IncuCyte Annexin V Reagents are solubilized by adding 100 µL of full media or PBS. The reagents may then be diluted in full media containing at least 1 mM CaCl₂ for direct addition to cells seeded in a 96-well plate to yield a final dilution of 1:200. When used in an IncuCyte[®] live-cell analysis system, we recommend data collection every 2-3 hours.

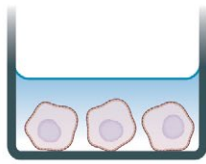
Please see the relevant protocol published on our website:
essenbioscience.com/apoptosis

Safety data sheet (SDS) information

The SDS can be found on our website:
essenbioscience.com/apoptosis

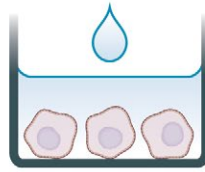
Quick guide

1 SEED CELLS



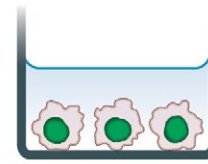
Seed cells (100 μ L/well) into a 96-well plate.

2 PREPARE APOPTOSIS REAGENT AND TREAT CELLS



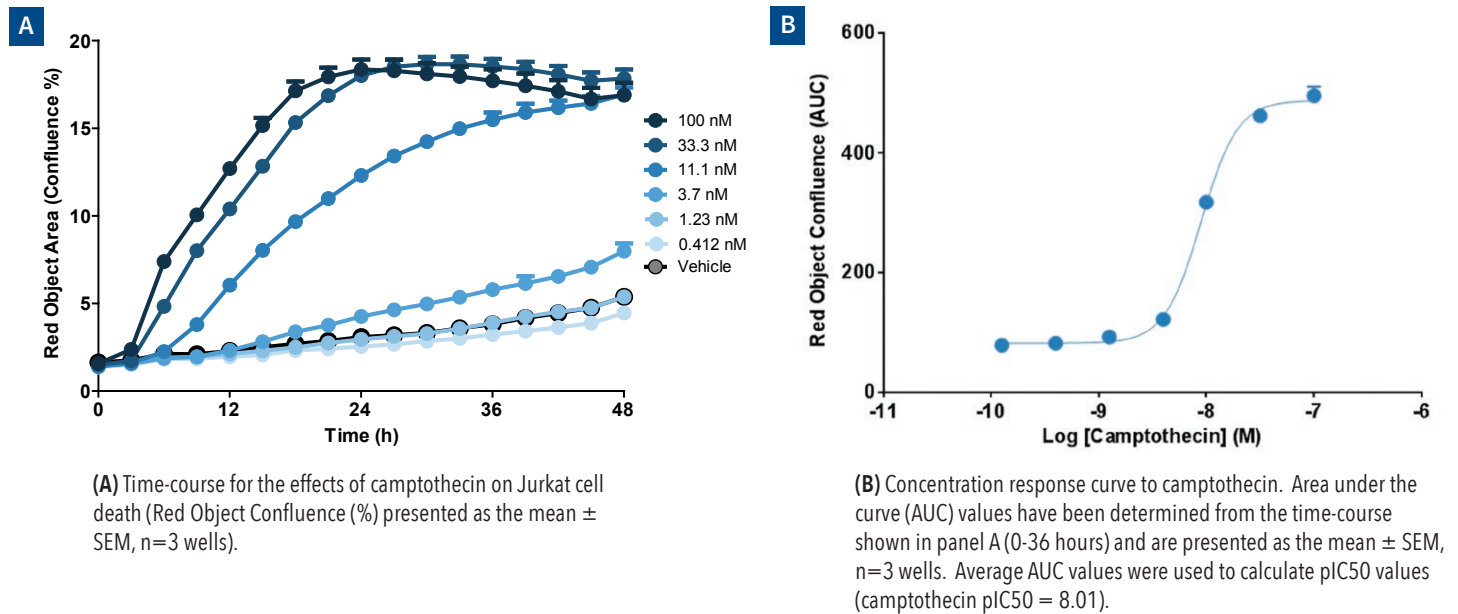
Prepare the desired treatments at 1x in medium containing IncuCyte Caspase-3/7 or Annexin V Reagents and add treatment.

3 LIVE CELL FLUORESCENT ANALYSIS



Capture images every 2-3 hours (20x or 10x) in the IncuCyte[®] System. Analyze using integrated software.

Figure 2. Concentration- and time-dependent increase of PS binding by IncuCyte Annexin V Red Reagent following addition to Jurkat human T-cell leukemia cells treated with the topoisomerase inhibitor, camptothecin.



FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC USE.

Product	Cat No.	Amount	Ex. maxima	Em. maxima
IncuCyte [®] Annexin V Red Reagent	4641	100 tests	593 nm	614 nm
IncuCyte [®] Annexin V Green Reagent	4642	100 tests	490 nm	515 nm

Product label license

This product is provided under an agreement between Nexins Research and Biotium, Inc, and is subject to US Patent No. 5,834,196 and corresponding foreign patents. Purchase of labeled annexins includes a nontransferable authorization for research use by the purchaser; commercial use, including modification of the purchased product for resale, requires a separate license.

The trademark "CF" is the property of Biotium, Inc. or its respective owners.