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DATASHEET

Annexin V-FITC Apoptosis Staining / Detection Kit

Product overview

Name	Annexin V-FITC Apoptosis Staining / Detection Kit
Cat No	HB9623
Biological description	Identifies early apoptotic, necrotic and viable cells. One-step staining procedure which detects apoptosis by staining exposed phosphatidylserine (PS) which have translocated to the external cell surface. This allows detection of membrane changes that occur in early apoptotic cells. The kit is able to differentiate between:

- **Apoptotic cells:** Stained by Annexin V-FITC but not propidium iodide
- **Necrotic cells:** Stained by both Annexin V-FITC and propidium iodide
- **Live cells:** Stained by neither Annexin V-FITC and propidium iodide

This kit contains:

- Annexin V-FITC Staining solution
- Propidium Iodide Staining solution
- 10x binding buffer

Biological action	Kit
Applications	Cell Culture, FACS and flow cytometry, fluorescence imaging, live cell imaging
Description	Identifies early apoptotic, necrotic and viable cells

Biological Data

Application notes	Please follow this link to a full Annexin V-FITC staining protocol.
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Excitation	491 nm
Emission	516 nm

References

A novel assay for apoptosis. Flow cytometric detection of phosphatidylserine expression on early apoptotic cells using fluorescein labelled Annexin V.

Vermes I et al (1995) Journal of immunological methods 184

PubMedID [7622868](#)

Past, present, and future of annexin A5: from protein discovery to clinical applications.

Boersma HH et al (2005) Journal of nuclear medicine : official publication, Society of Nuclear Medicine 46

PubMedID [16330568](#)
