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## NucSpot® 470 Nuclear Stain

Cell membrane-impermeant, nuclear-specific green counterstain. Suitable for fixed cells or staining dead cells in live cultures.



### Product Description

NucSpot® 470 Nuclear Stain is a green cell membrane-impermeant, nuclear-specific counterstain for the FITC channel.

- Nuclear-specific counterstain for fixed cells
- Selectively stains dead cells in live culture
- No wash required
- Suitable for cell cycle profiling by flow cytometry in fixed/permeabilized cells

**Note:** NucSpot® 470 has limited use for cell viability tracking due to its instability in culture medium during long incubation periods. [NucSpot® 500/515](#) was designed as an improved alternative for NucSpot® 470, offering better stability in culture medium.

Biotium also offers [NucSpot® Nuclear Stains](#) in a wide range of other colors from orange to near-IR. The stains also offer nuclear-specific counterstaining for fixed cells, as well as selective staining of dead cells in live cultures, while avoiding the issue of [photoconversion induced background by DAPI and Hoechst](#).

Learn more about our full selection of [nuclear stains](#) and our stains for [other organelles](#), [viability analysis](#), [membrane staining](#), and more.

### Product attributes

<b>Probe cellular localization</b>	Nucleus
<b>For live or fixed cells</b>	For fixed cells
<b>Assay type/options</b>	DNA content/cell cycle profiling by flow cytometry, Live/dead discrimination, No-wash staining, Real-time imaging, Tissue staining
<b>Detection method/readout</b>	Fluorescence microscopy, Flow cytometry
<b>Cell permeability</b>	Membrane impermeant
<b>Apoptosis/viability marker</b>	Dead cell stain
<b>Fixation options</b>	Fix before staining (formaldehyde), Fix before staining (methanol), Permeabilize before staining
<b>Colors</b>	Green
<b>Storage Conditions</b>	Store at 2 to 8 °C

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