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# Acridine Orange Staining Method

National Cancer Institute

## Source

National Cancer Institute. *Acridine Orange Staining Method*. NCI Thesaurus. Code C85554.

A microscopy staining method that utilizes acridine orange, a fluorescent cationic dye that is selective for nucleic acids, to determine the presence of viable cells or microorganisms in a sample. Acridine orange interacts with RNA and DNA and the lysosomal compartment of cells.