

Product Datasheet

Hoechst 33342 Fluorescent Nucleic Acid Stain (orb511132)

Catalog Number orb511132

Category Tools

Description Hoechst 33342 is a popular cell-permeant, blue fluorescent nuclear stain. It is

used to visualize the nuclei of living or fixed cells and tissues and is often used to distinguish condensed, pyknotic nuclei in apoptotic cells. Hoechst 33342 emits blue fluorescence when bound to double stranded DNA. It is slightly more

membrane permeant than the Hoechst 33258 analog. Hoechst 33342 may be used to identify healthy or apoptotic nuclear morphology and for cell cycle

studies.

Concentration 200 μg/mL

Application notes 1. Coat antibody or antigen onto the ELISA plate using ICT's Antibody Coating

Buffer or Antigen Coating Buffer., 2. Incubate 8–24 hours at room temperature (RT)., 3. Aspirate the coating solution., 4. Wash each well twice with ICT's ELISA Wash Buffer., 5. Block the uncoated regions of the ELISA plate by pipetting $300\text{--}400~\mu\text{L}$ of blocking buffer into each well. Always use an equal or greater volume of blocking buffer than was used for the coating buffer solution., 6. Incubate 8–24 hours at RT. For best blocking, incubate overnight at RT., 7. Aspirate the blocking buffer; do not wash., 8. Run the assay immediately, or dry

the plate for long-term storage and seal in a foil storage bag with a desiccant

pack. Store dried and packaged plates at 2-8°C.

Storage 2-8°C

Note For research use only

Expiration Date 12 months from date of receipt.