

Product Information

Duolink® In Situ Microplate Nuclear Stain, Anti-Fade

Catalog Number **DUO82064**

Storage Temperature $-20\text{ }^{\circ}\text{C}$

Product Description

Nuclear Staining Buffer and Anti-Fade Buffer are intended for use in multiwell plates after staining cells with Duolink® In Situ reagents.

The Duolink In Situ Microplate Nuclear Staining Buffer contains 4',6-diamidino-2-phenylindole (DAPI). DAPI excites at $\sim 360\text{ nm}$ and emits at $\sim 460\text{ nm}$ when bound to DNA, producing a blue fluorescence. DAPI may also stain RNA.

The Duolink In Situ Microplate Anti-Fade Buffer preserves signals generated with Duolink In Situ reagents in multiwell plates. This reagent prevents fluorescent molecules from fading.

Components

Each vial contains sufficient reagent for two 96 well plates.

10× Nuclear Staining Buffer (DUO82062)	1 mL
10× Anti-Fade Buffer (DUO82063)	1 mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Both the Nuclear Staining Buffer and the Anti-Fade Buffer are supplied as 10× solutions. To prepare 1× solutions, bring each solution to room temperature and add 9.0 mL of ultrapure water to each vial immediately before use.

Storage/Stability

Store the buffer vials at $-20\text{ }^{\circ}\text{C}$, protected from light.

1× solutions can be kept at $2\text{--}8\text{ }^{\circ}\text{C}$ for short time storage (one week or less).

Procedure

For 96 well plates, addition of 50 μL /well of each buffer is recommended. Follow the specific guidelines for the addition of the Nuclear Stain and Anti-Fade buffers in multiwell plates.

The experimental procedures for Duolink In Situ fluorescence and multiwell plate applications can be found at sigma.com/duolink.

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PCG,MAM 04/17-1