



*ZytoLight*  
**DAPI/Antifade-Solution**  
0,8 ml

To counterstain chromatin/chromosomes in fluorescence *in situ*  
hybridization (FISH)

FOR RESEARCH USE ONLY

Product No.: [Z-2031](#)

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**DAPI/Antifade-Solution** to counterstain chromatin/chromosomes in a fluorescence in situ hybridization (FISH), ready to use

**Product description**

**Content:** 0,8 ml **DAPI/Antifade-Solution**. The solution contains DAPI in a final concentration of 150ng/ml.

**Product No.:** **Z-2031 (DAPI/Antifade-Solution)**

**Specificity:** The **DAPI/Antifade-Solution** is designed to be used for the counterstain of chromatin/chromosomes in formalin-fixed, paraffin-embedded tissue or cells in a FISH experiment.

**Storage/Stability:** The **DAPI/Antifade-Solution** must be stored at -20°C in the dark (short-time storage at 4°C is possible) and is stable through the expiry date printed on the label.

**Use:** This product is designed for research purposes only and not for use in diagnostic applications.

**Safety Precautions:** Read the operating instructions prior to use!  
Do not use the reagents after the expiry date has been reached!

This product contains p-phenylenediamine dihydrochloride (PPD) und 4,6-diamidino-2-phenylindol dihydrochloride (DAPI) in low concentrations and volumes. Avoid any direct contact with the reagents. Take appropriate protective measures (use disposable gloves, protective glasses and lab garments)!

If reagents come into contact with skin, rinse skin immediately with copious quantities of water!

A material safety data sheet is available on request for the professional user!

## Principle of the method:

To counterstain chromatin/chromosomes and to avoid a fast quenching of fluorescent signals, in a final step of a FISH experiment, the test material is incubated in [DAPI/Antifade-Solution](#).

## Instructions:

After hybridization and wash steps of a FISH experiment pipette DAPI/Antifade-Solution onto the slide (for example 30  $\mu$ l [DAPI/Antifade-Solution](#) onto an area of 24 mm x 60 mm). Avoiding trapped bubbles, cover the samples with a coverslip, and incubate in the dark for 15 mins.

*A gentle warming of the DAPI/Antifade-Solution, as well as using a pipette tip which has been cut off to increase the size of the opening, can make the pipetting process easier. Avoid long exposure to light.*

Carefully remove excess DAPI/Antifade-Solution by gently pressing the slide between filter papers.

For a particularly user-friendly performance we recommend the use of ZytoVisions hybridization system ([Z-2028](#)), which due to its compatibility, makes the technique even easier.

**Our experts are available to answer your question.**

**Trademarks:**

ZytoVision<sup>®</sup> is a trademark of ZytoVision GmbH.

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