

Orcein

Nuclear Counterstain

Item No.
71-01-01

Size
50 ml



DESCRIPTION

Orcein is an acetic nuclear counterstain (1). Nuclei stained with orcein appear red to pink in color and create effective color contrast when used in conjunction with blue chromogenic substrates.

FORM

Catalog No. 71-01-01 contains 50 ml orcein solution (catalog No. 71-01-00). Reorder as Catalog No. 71-01-01. Supplied as a ready to use liquid. The solution should be deep red in color.

STORAGE/STABILITY

Store at room temperature. Stable for a minimum of 1 year from date of receipt when stored at room temperature.

Note: This product has been filtered prior to bottling but, over time a precipitate may form. The precipitate does not affect performance. However, if desired, orcein may be filtered through Whatman paper or a syringe filter prior to use.

CONTENT

Orcein is prepared with BSC certified orcein and acetic acid in a proprietary diluent.

APPLICATIONS

Orcein can be used following *in situ* hybridization or immunohistochemical staining of tissues or cells. Acetic orcein has also been described to stain mast cells, basophilic cytoplasm, and cartilage (2). It is recommended that for each cell or tissue tested, optimization be performed for staining time to achieve preferred stain intensity.

SUGGESTED PROTOCOL

For *in situ* Hybridization or immunohistochemical staining:

1. After detection with KPL's TrueBlue® (See RELATED PRODUCTS) or other appropriate substrate, immerse the slide in water for 3-5 minutes. Allow to air dry.
2. Apply orcein generously to the slide and incubate until desired color is achieved:
 - tissue: 2-5 minutes
 - cells: 5-10 minutes
3. Rinse the slide 2-3 minutes in water.
4. Air dry or dehydrate the slide. Mount with an organic mounting medium such as Permount.

PRODUCT SAFETY AND HANDLING

This product is considered hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, refer to the Material Safety Data Sheet.

REFERENCES

1. Lillie, R.D. (ed.) (1977). *Methods for Testing Stains*. In *Conn's Biological Stains*. Ninth Edition. Baltimore, Williams and Wilkins. 599-600.
2. Reynolds, C. (1978) *Am. J. Clin Pathol.* 69(5):548-549.

RELATED PRODUCTS

TrueBlue®	Cat. No. 50-78-02
Counterstains:	
Eosin	Cat. No. 71-02-01
Contrast Red	Cat. No. 71-00-05
Contrast Green	Cat. No. 71-00-11

See KPL's catalog for antibodies, substrates and complete systems for microwell ELISA, membrane blotting and immunohistochemical applications.

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