

FORMALDEHYDE 4% Q PATH

According to standard ISO 18113-2, Point 7 Requirements for instructions or use and consolidated Directive 98/79/EC

PRODUCT NAME

Cat. No	Description	Pack Size
FOR002XXXXXXXXX – 10.020XXXXXXXXX	Formaldehyde 4% Q Path	102 x 20mL
FOR006XXXXXXXXX – 10.060XXXXXXXXX	Formaldehyde 4% Q Path	50 x 60mL
FOR007XXXXXXXXX – 10.070XXXXXXXXX	Formaldehyde 4% Q Path	50 x 70mL
FOR015XXXXXXXXX – 10.150XXXXXXXXX	Formaldehyde 4% Q Path	32 x 150mL
VWRQ11699404	Formaldehyde 4% Q Path	Drum 5 L
VWRQ11699407	Formaldehyde 4% Q Path	Drum PRO 5 L
VWRQ11699408	Formaldehyde 4% Q Path	Cubitainer 10 L
VWRQ11699455	Formaldehyde 4% Q Path	Drum 1 L
VWRQ10099464	Formaldehyde 4% Q Path	Pot 500 ml
VWRQ10099465	Formaldehyde 4% Q Path	Pot 1 L
VWRQ10099473	Formaldehyde 4% Q Path	Bucket 3 L
VWRQ10099474	Formaldehyde 4% Q Path	Bucket 1 L
VWRQ10099476	Formaldehyde 4% Q Path	Bucket 5 L
VWRQFOR010LAF59001	Formaldehyde 4% Q Path	Drum 10 L
VWRQ84887.5010	Formaldehyde 4% Q Path	Cubitainer 5 L

INTENDED PURPOSE

Fixative for transport and preservation of specimens.
For professional use.

WARNING AND PRECAUTIONS



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1. This pre-filled bottle, for single use, is ready for use.
2. It is recommended to close the cap well and labelled the vial.
3. The histological specimen must be immersed as quickly as possible after being taken.
4. Do not use this product after its expiry date which is clearly indicated on the vial
5. Preview an evacuation by aspiration (hood) of the vapors of formalin during the manipulations. Use a respiratory protection for certain work of short duration.
6. Wastes have to be conserved in recipients envisaged especially for this purpose, correctly labelled and waste disposal has to be made in accordance with the official regulations

COMPOSITION

- ✓ Formaldehyde (4% m/v)
- ✓ Methanol
- ✓ Phosphated buffer (40 mmol/L)
- ✓ PH at 20°C : 6.8 - 7.2

STORAGE AND SHELF LIFE AFTER FIRST OPENING

This product should be stored upright in a tightly closed container, at a temperature between +5°C and +25°C, away from direct light and in a properly ventilated location. The expiry date must be clearly indicated on the packaging.

ADDITIONAL SPECIAL EQUIPMENT

Please refer to the Safety Data Sheet associated.

SPECIMENS

- ✓ Type of specimen: Histological specimens obtained by microsurgical procedure or macroscopic session.
- ✓ Special conditions for specimens: Fresh specimens that must be immersed as quickly as possible into the fixative.
- ✓ Pre-treatment: None.
- ✓ Storage conditions: Keep at room temperature.

MODE OF OPERATION

Preparation of material for the packagings not ready-to- use

1. Take an adapted bottle.
2. Remove the cap.
3. Pour a sufficient volume of Formalin so that the specimen is totally immersed in the bottle (the volume of fixative represents 10 times the volume of the specimen).

General mode of operation

1. Take the specimen
2. Immerse the specimen into the bottle

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3. Screw the cap back on. The bottle must be tightly closed.
4. Put the patient's surname and first name on the label of the bottle.
5. Send the bottle to the laboratory.

METHODOLOGY

- PRINCIPLE OF THE METHOD

The fixing by Formalin allows the conservation of tissue structures in a state which be close to the normal state. It blocks the autolysis due to the proteinic degradation and inhibiting the bacterial pullulation.

It has be done immediately after extraction, by immersion of the specimen in a large volume of fixative liquid. The time required for fixing depends of the volume of specimen (from a few hours for a simple biopsy to several weeks for an entire human brain for example)

- METHOD CHARACTERISTICS AND PERFORMANCE LIMITATIONS

- The fixed histological sample could not be cut as a frozen tissue, and not be cut with a vibratome.
- The Fixative penetration speed is on average from 0.8 to 1 mm / hour
- The histological sample should be totally submerged, the volume of fixative is 10 times that of the sample.

For any other methods please refer to the instructions of the used technique (biochemistry, immuno-histo-chemistry, molecular biology...etc) to know the limits of performances.

REAGENT PREPARATION

The product is ready for use.

LITERATURE REFERENCES

- Some aspects of fixation with glutaradehyde. A biochemical and histochemical comparison of the effects of formaldehyde and glutaraldehyde fixation on various enzymes an glycogen, with a note on penetration of glutaraldehyde into liver. D. Hopwood, Department of anatomy, University of St Andrews, Queen's Collège, Dundee. J. anat. (1967), 101 , 1,pp.83-92.
- Etude du coefficient de réduction de la taille des biopsie cutanées après fixation au formol , FAIVRE M. ; CRIBIER B. Les nouvelles dermatologiques ISSN 0752-5370 2002,vol 21, N°1, pp. 9-11 (22 ref.).
- La fixation formolée à l'aube du troisième millénaire , PLENAT F. ; ANTUNES L. ; HALLER T. ; PIET- OUNNOUGHENE M. ;KLEIN-MONHOVEN N. ; CHAMPIGNEULLE J. ;CHENAL P. ; BLAND V. ; GARCIA-PIMENTA F. ; LABOUYRIE E. . Annales de pathologie ISSN 0242-6498 CODEN ASPAD2 2001,vol 21, N° 1 , pp. 29-47 (37 ref.).
- The Internet Pathology Laboratory : Histotechniques
<http://library.med.utah.edu/WebPath/HISTHTML/HISTOTCH/HISTOTCH.html>
- L'importance de la Fixation en Histochimie, VENTEO L., VELOT E., Rev. Fr. Histotechnol, 2010, 23, n°1, p 27

AFTER-SALES SERVICE

We pay the utmost attention in the quality of our products. However, if you are not satisfied, please call our Customer Service (service.clients@fr.vwr.com) and indicate the reference and batch number of the product concerned.

This instruction for use was established on 18/03/2016 and cancels all previous instructions. The information is based on our knowledge and our experience this day. The attention of the users is drawn on the eventual risks when the product is used for another



In Vitro Diagnostic Medical Device
For professional use only

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use for which is dedicated. It is not exempt the user to know and implement all the texts regulating his activity. He will take under his responsibility the precautions bound in the use that he does of the product.



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