

Store at RT

#12606

# 16% Formaldehyde, Methanol-Free

50 ml (5 x 10 ml)

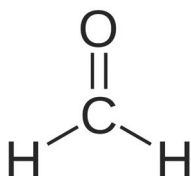
**Cell Signaling**  
TECHNOLOGY®**Support:** +1-978-867-2388 (U.S.)  
cellsignal.com/support**Orders:** 877-616-2355 (U.S.)  
orders@cellsignal.com

## For Research Use Only. Not for Use in Diagnostic Procedures.

**Description:** Premium 16% (w/v) Formaldehyde from Cell Signaling Technology is used as a fixative agent for fluorescent immunocytochemical, flow cytometry, and chromatin immunoprecipitation (ChIP) assays. It is methanol-free, prepared from high quality paraformaldehyde, and packaged under an inert atmosphere of nitrogen.

Each 10 ml solution is supplied in an amber glass vial with two access points, offering distinct advantages over pre-scored ampoules. The screw cap allows for easy access to large volumes if necessary. To extend the product's shelf life, small volumes should be extracted by piercing the silicone top with a needle and syringe.

**Molecular Formula:** CH<sub>2</sub>O



**Molecular Weight:** 30.03 g/mol

**Storage:** Store at room temperature. Each vial is stable for twelve months when left unopened or when material is extracted with a needle and syringe. Use within one month once opened.

**Directions for Use:** Final working concentrations can vary depending on the application, but is always prepared fresh by diluting in 1X PBS just prior to use. Leftover diluted material should be discarded.

This material and its container must be disposed of as hazardous waste.

Wear personal protective equipment. Ensure adequate ventilation. Do not handle until all safety precautions have been read and understood.

**Safety Information:** Formaldehyde has been classified by the International Agency for Research on Cancer (IARC) as a Known Human Carcinogen (Group 1). It is suspected of causing genetic defects. If exposed or concerned, get medical advice. See Safety Data Sheet (SDS).

**Recommended Formaldehyde Fixative Concentrations:**

Immunofluorescence (IF-IC and IF-F): 4%

Flow Cytometry: 2-4%

Chromatin IP: 1%

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**Applications:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry CHIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry FC-FP—Flow cytometry-Fixed/Permeabilized FC-L—Flow cytometry-Live E-P—ELISA-Peptide  
**Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse  
**All**—all species expected. Species enclosed in parentheses are predicted to react based on 100% homology.