

Store at RT  
#12767

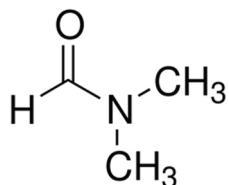
# DMF (Dimethylformamide)

www.cellsignal.com

10 ml

**Support:** 877-678-TECH (8324)  
www.cellsignal.com/support**Orders:** 877-616-CELL (2355)  
orders@cellsignal.com**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Description:** N,N-dimethylformamide (DMF) is a colorless, polar organic solvent widely used as a solvent for chemical reactions. DMF is miscible with water and many other organic solvents. DMF from Cell Signaling Technology is 99.9% pure and is recommended for use as a solvent for the chromogenic substrate X-gal with our Senescence  $\beta$ -Galactosidase Staining Kit #9860. The convenient 10 ml size is more than enough material to dissolve the 150 mg of X-Gal supplied in a single #9860 kit.

**Molecular Formula:** C<sub>3</sub>H<sub>7</sub>NO**Molecular Weight:** 73.09 g/mol**Purity:** 99.9%**Storage:** Store at room temperature. This product is stable for 24 months.

**Directions for Use:** DMF is for use as a solvent for the chromogenic substrate X-gal with our Senescence  $\beta$ -Galactosidase Staining Kit #9860. Dissolve 20 mg of X-gal per 1 ml DMF to prepare a 20X stock solution. Excess X-gal solution can be stored at -20°C in a light resistant container for one month. Wear personal protective equipment. Avoid contact with skin. Do not handle until all safety precautions have been read and understood.

**Note:** Always use polypropylene plastic or glass to make and store X-gal solutions. Do not use polystyrene as it is dissolved by DMF.

**Safety Information:** Dimethylformamide is rapidly absorbed through skin and lungs. It may cause harm to the unborn child. Avoid exposure during pregnancy. If exposed or concerned, get medical advice. See Safety Data Sheet (SDS).

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