

DMF (dimethylformamide), labeling grade

<http://www.lumiprobe.com/p/dmf-labeling-grade>

DMF (dimethylformamide) is a recommended solvent for labeling reactions using NHS esters. However, when DMF is stored in air, it deteriorates slowly absorbing moisture, and releasing dimethylamine. These impurities rapidly destroy NHS ester function, decrease labeling efficiency, and even make labeling reaction fail.

Dimethylformamide solvent requires special drying and preparation, which is often not available in all laboratories.

This product contains ready-to use solvent which is guaranteed to be useable for the labeling. Tubes with high quality, dry, and amine-free DMF are packed under argon.

General properties

Appearance: colorless liquid

Molecular weight: 73.09

CAS number: 68-12-2

Molecular formula: C₃H₇NO

IUPAC name: N,N-dimethylformamide

Solubility: miscible with water and many organic solvents

Quality control: GCMS (99+%)

Storage conditions: Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.