

# DATA SHEET

Version: 2  
Revision date: 17/02/2023

## 1. Identification

**Product name** **Dymethyl sulfoxide (DMSO)**  
100 mL

**Cat. No** BR0215

## 2. Description

Dimethyl sulfoxide (DMSO), Molecular Biology Grade, is an organosulfur compound and polar aprotic solvent routinely used in organic chemistry and molecular biology.

## 3. Specifications

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Molecular formula</b> | (CH <sub>3</sub> ) <sub>2</sub> SO |
| <b>M</b>                 | 78.13 g/mol                        |
| <b>CAS</b>               | [67-68-5]                          |
| <b>Appearance</b>        | Clear, colorless liquid            |
| <b>Purity</b>            | ≥ 99.5%                            |
| <b>Water</b>             | ≤ 0.1 %                            |
| <b>Density</b>           | 1.10 g/ml at 20 °C                 |
| <b>RNase</b>             | None detected                      |
| <b>DNase</b>             | None detected                      |

## 4. Storage specifications

Store at room temperature.  
DMSO will congeal easily and may remain a solid at cool temperatures. Warm slightly to return to liquid state.

## 5. Applications

- PCR.
- Amplification of cDNA libraries.
- DNA Sequencing.

DMSO is also widely utilized in the storage of cell lines and bacteriophage λ as a cryoprotective agent, but only as a sterile solution. To prepare sterile solutions use a PTFE (Teflon) or nylon membrane to sterile-filter the DMSO – do not use a cellulose acetate membrane.

## 6. Further information

**Product Use Limitation** This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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