



MP Biomedicals, LLC

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530  
Fax: 440/337-1180  
mailto: [biotech@mpbio.com](mailto:biotech@mpbio.com)  
web: <http://www.mpbio.com>

## TECHNICAL INFORMATION

Catalog Number: 101111, 194840

**BRIJ 35**

**Molecular Formula:** C<sub>12</sub>H<sub>25</sub>(OCH<sub>2</sub>CH<sub>2</sub>)~46OH

**Molecular Weight:** 1225

**CAS # :** 9002-92-0

**Synonym:** Polyoxyethylene 23 Lauryl Ether

**Physical Appearance:** White waxy solid

**Aggregation Number:** 20-40

**Critical Micelle Concentration (CMC):** 0.05-0.1 mM Detergents with high CMC values are generally easy to remove by dilution; detergents with low CMC values are advantageous for separations on the basis of molecular weight. As a general rule, detergents should be used at their CMC and at a detergent-to-protein weight ratio of approximately ten.<sup>2-3</sup>

**Solubility:** Soluble in water, ethanol, toluene; miscible with hot material, natural and synthetic oils, with fatty alcohols and fats; insoluble in mineral oil and vegetable oils

**References:**

- Stein, W.H. and Moore, S.J., *J. Biol. Chem.*, **211**, 893 (1954)
- Womack, M.D., et al., *Biochim. Biophys. Acta*, **v. 733**, 210 (1983)
- Matson, R.S. and Goheen, S.C., *LC-GC*, **v. 4(7)**, 624 (1986)