

## Specification

### Pluronic® F-68 BioChemica

**A1288**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1288
<b>Product Name:</b>	Pluronic® F-68 BioChemica
<b>Headline Comment:</b>	®trademark of ICI
<b>Specifications:</b>	Solubility (1 %; H <sub>2</sub> O): clear pH (5 %; H <sub>2</sub> O): 5.0 - 8.0
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>M:</b>	~8400 g/mol
<b>CAS:</b>	9003-11-6
<b>CS:</b>	34021300
<b>Comment</b>	Pluronics are copolymers from ethylene- and propylene oxide. Pluronic F-68 has a molecular weight of 8400 and consists mainly of ethylene oxid (approx. 80 %). It is applied in the culturing of mammalian cells in large batches. It prevents the sticking of air bubbles to cells, which develop during mixing within the fermentor, stabilizes the foam on the surface or improves the resistance of the cell membrane against hydrodynamic shearing.
<b>Bibliography</b>	(1)Ghebeh, H. <i>et al.</i> (1998) <i>Anal. Biochem.</i> <b>262</b> , 39-44Measurement of Pluronic F-68 in mammalian cell culture. (2)Hom, L.G. & Volkman, L.E. (1998) <i>Biotechniques</i> <b>25</b> , 18-20Prevention of proteolytic artefacts in Baculovirus-expression systems.

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