

Specification

**Pluronic® F-68 BioChemica**

**A1288**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1288
<b>Product Name:</b>	Pluronic® F-68 <i>BioChemica</i>
<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>	<p>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.</p>
<b>Bibliography</b>	<p>(1)Ghebeh, H. <i>et al.</i> (1998) <i>Anal. Biochem.</i> <b>262</b>, 39-44 Measurement of Pluronic F-68 in mammalian cell culture. (2)Hom, L.G. &amp; Volkman, L.E. (1998) <i>Biotechniques</i> <b>25</b>, 18-20 Prevention of proteolytic artefacts in Baculovirus-expression systems.</p>

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode  
 DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340