

# Pluronic® F-68

*A non-ionic detergent*

## Product Information

<b>Name :</b>	<b>Pluronic® F-68</b>
<b>Molecular Weight :</b>	MW= ~8350
<b>Cloud Point (1% solution) :</b>	≥95°C
<b>HLB :</b>	29

**Storage:** Store both solid and solution at room temperature (Z)

## Introduction

Pluronic® F-68 is a nonionic detergent useful for solubilizing relatively hydrophobic molecules in aqueous solutions. 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.

## Directions for use

### Handling and Storage

Heating may be necessary to achieve required concentrations, because of viscosity increase at high concentrations (temperature dependant). Avoid freezing solutions.

### Guidelines for use

Add 10 mL of Pluronic F-68 stock solution per liter of culture medium to a final concentration of 0.1% (w/v) prior to use.

## Related products

- Gentamycin (50 mg/ml), tissue culture Grade, N13840
- EGF human, recombinant, CJQ232
- Dulbecco's PBS 20X (Sterile), RJ226A

## References

- **Batista FR**, *et al.* Enhancement of Sf9 Cells and Baculovirus Production Employing Grace's Medium Supplemented with Milk Whey Ultrafiltrate. *Cytotechnology* 49, 1-9, (2005)
- **Galesi AL**, *et al.* Culture of transgenic *Drosophila melanogaster* Schneider 2 cells in serum-free media based on TC100 basal medium. *Biotechnol. J.* 11, 1399-1407, (2007)
- **Palomares L.A.**, *et al.* Evidence of Pluronic F-68 direct interaction with insect cells: impact on shear protection, recombinant protein, and baculovirus production. *Enzyme Microb. Technol.* 26, 324-331, (2000)

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>  
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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