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Material Attributes of Poloxamer 188 Affecting the Application in Liquid Protein

Details

Date

June 6, 2023

Time

7 a.m. PDT
10 a.m. EST
4 p.m. CEST

Location

Online

Format

Live Webinar

Abstract

Poloxamer 188 finds wide application in the development and manufacturing process of pharmaceutical drug products.

In liquid protein formulations, Poloxamer 188 (PLX188) is added to stabilize proteins against mechanical stress, ensuring the desired therapeutic activity and safety of biologics.

In cell culture media, PLX188 is added as shear stress protector to prevent cell damage during the cultivation in bioreactor and guarantee optimal cell growth.

We will show how the performance of PLX188 in these applications can be affected by variations in molecular weight or hydrophobicity, observed among different batches or products.

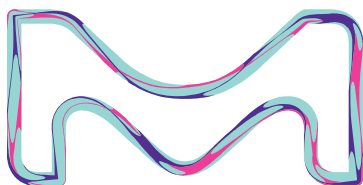
Speaker(s)

Nelli Erwin is heading the Protein Stability Laboratory at the company. In this role, she is mainly responsible for the development of new technologies to improve the stability of biomolecule formulations. She holds a Ph.D. in Chemical Biology.

Alice Antonello is Senior Scientist in the Bioprocess Chemistry team at the company. She is mainly focused on the development and application of surfactants for bioprocessing, from cell cultivation to harvest and first treatments of the product. She holds a Ph.D. in Chemistry.

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