



Pfanstiehl Industry Educational Session

Monday 24 June 2024

17:30 – 18:00

Room – Lammermuir 1

Galactose and Mannose Supplementation in Cell Culture - Glycoform Modulation and Other Considerations

Galactose and Mannose are two important carbohydrates that are widely used as cell culture media supplements for recombinant protein production (Innovator protein therapeutics, Biosimilars, Biobetters etc.) and other applications. Galactose not only plays important role in protein Glycoform modulation but also aids in Cellular energy production, Synthesis of Glycoproteins and Glycolipids and Energy storage. Similarly, Mannose plays important role in Glycoform modulation, energy production and signal transduction. Purity and quality are two very important aspects that must be considered when choosing the cell culture media supplements. Contamination of cell culture media supplements with heavy metals can significantly impact cell growth and function. Metals/Elemental Impurities can enter cell culture media through various sources, including the raw materials used to manufacture the media. Therefore, it is of paramount importance to use highly pure, well characterized, and low metal containing supplements (including Galactose and Mannose) in cell culture applications. In this presentation, I will present case studies demonstrating the importance of Galactose and Mannose supplementation in Cell Culture and talk about Pfanstiehl high purity, low endotoxin and low metal Galactose and Mannose offerings.

Speaker: Dr Christian Lotz, Pfanstiehl