Lonza

Pharma & Biotech

GSv9™ Media and Feeds

Let's maximize your protein expression together.

Media and feeds designed for Lonza's GS Systems®

Building on over 35 years of mammalian expression and process development expertise, Lonza has continued to evolve platform processes for the GS Gene Expression System®. Utilizing the GSv9™ Media, Feeds and Process Parameters can unleash the full potential for the expression of your recombinant protein. Incorporating Lonza's chemically defined and animal component-free media and feeds into your platform process will provide consistent process performance, high titres and reduced executional complexity.

GSv9™ Platform process

- Robust and transferable manufacturing process for fast speed from gene into clinic
- Highest protein quality with low levels of aggregates, fragments and appropriate glycosylation pattern

GSv9™ Media and Feeds

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- Newly launched and improved ease-of-use
- A combination of media and feeds are designed to optimize the performance of the recombinant cell lines derived from the CHOK1SV GS-KO® Host Cell Lines
- GSv9™ Media and Feeds yields high expression titers with processes based on CHOK1SV and CHOK1SV GS-KO® Cell Line
- The GS Gene Expression System® and complementary Media and Feeds is used routinely by Lonza production facilities, pharmaceutical and biotech companies worldwide
- Our GS technical specialists have developed this process with your future scale-up needs in mind

GS Gene Expression System®

- Lonza's industry-leading GS Gene Expression System® leverages our in-house experience and expertise
- The system permits high product titers in a robust, chemically defined, animal component-free (CDACF) environment
- The GS Gene Expression System® includes the CHOK1SV GS-KO® Cell Line, which is a derivative of Lonza's suspension adapted CHOK1SV® Host Cell Line
- The system also includes protocols and guidelines, access to Lonza's GS CHO Media and Feeds (CDACF) and technical support from Lonza's expert GS team
- mAb concentrations at harvest are typically at 2-6 g/L and up to 10 g/L can be achieved in the GS Xceed® System

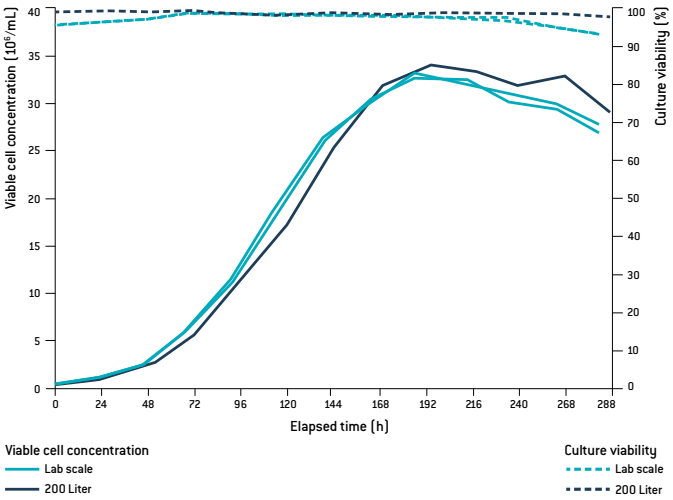

Figure1. Culture viability and viable cell concentration over 12 days

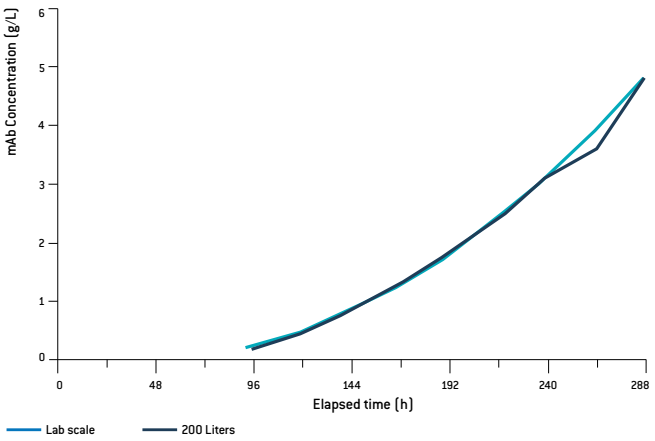

Figure2. Protein concentration over 12 days

Contact us

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For Gene Expression System® licensing
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