

32. Title: Trastuzumab Biosimilar

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Keywords: Trastuzumab, Biosimilar

Domain: Healthcare (Drugs)

Summary: This technology relates to a continuous process platform development for production of Trastuzumab biosimilar molecule. Trastuzumab having molecular weight of 145.53 kDa is produced via a stable in-house Chinese Hamster Ovary glutamine synthetase knockout cell line (CHO GS). The complete manufacturing process for Trastuzumab has been developed. Similarity assessment has been performed to demonstrate biosimilarity.

Advantages:

- » Cost effective
- » Improved yield
- » Continuous process for production
- » high productivity

Applications: Lifesciences (Biologics)

Scale of Development: Process designed and validated

Technology Readiness Level: 4

IP Status: Know-how