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# Integration considerations for replacing stainless steel tanks with Single-Use mixers

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## **INTEGRATION CONSIDERATIONS FOR REPLACING STAINLESS STEEL TANK WITH SINGLE USE MIXERS**

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Key Words: Challenges, Implementation, Mixers, Integration, Flexibility

There is an increased interest in single use technology in the biotechnology industry. The first integration of single use technology in traditional facilities may come with many growing pains during implementation. There are challenges in meeting the demands of end users and the changes to standard operating procedures and processes. By replacing stainless steel tanks with single use mixers, there can be a significant change to operations such as: sampling, pool hold, mixing, additions, and pool transfer. Through thoughtful design of the single-use mixers many of these changes to operations can be managed and integrated seamlessly into the processes. In this paper we discuss the impact of these changes to operations, and how we were able to integrate these changes into our facility.