

## **BioTechnology Manufacturing Industry Application**

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This submission details how MTConnect could be applied to the biotechnology industry in order to monitor the complex numerical data that is involved in the successful production of biotechnology-based medications. Biotechnology manufacturing includes numerous variables that must be constantly monitored and remain within control limits to confirm that the process products are of high quality and consistency. In this industry, the introduction of a standardized data monitoring system would be beneficial in terms of reducing costs and complying with regulatory requirements while producing safe medicine for patients. The technical requirements and adjustments to the standard MTConnect software are broadly addressed to prove that it would be feasible to apply MTConnect in this specific field. Biotechnology is a lucrative and quickly growing market within the healthcare field and enhanced process monitoring and standardization would provide numerous benefits to all parties involved.