

Integrated **buffer** prep solutions from Avantor

Avantor can make a difference in your buffer management process. Our technical experts & engineers around the globe consult on different buffer preparation strategies to improve operational efficiencies, reduce facility footprint, decrease total cost of ownership, and reduce the risk of quality error in your buffer prep process.

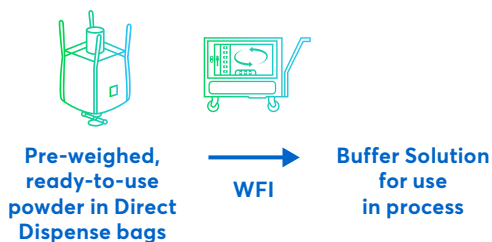
Delivering **quality** and **expertise** you can rely on

- **Avantor Quality System:** Managing risk by regulatory and quality compliance
- **Globally harmonized quality standards,** full compendial testing of critical raw materials
- **Quality transparency throughout the supply chain:** from supplier audit program through full cGMP capability and regulatory support to MOC program
- Vertical integration of cGMP raw materials, fluid handling components and systems for **reliable supply** of all buffer components
- **Expert consultation** on the right choice of flexible, customized solutions for seamless, scalable operations

Our alternative buffer management solutions: We quickly adapt to your needs at any size and scale

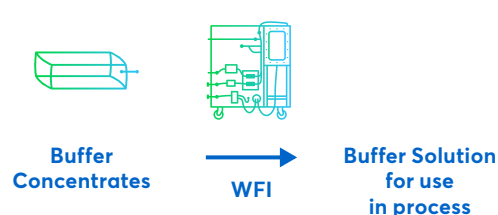
OPTION 1

Ready-to-use chemicals + mixing system for inhouse buffer preparation



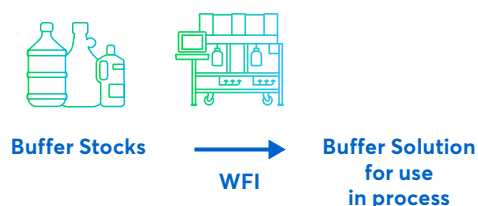
OPTION 2

Concentrated buffers + Inline Dilution System for inhouse buffer prep



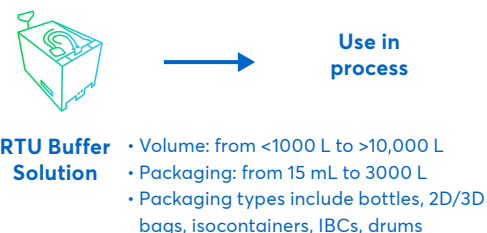
OPTION 3

Buffer stocks for inline conditioning or buffer stock blending systems for inhouse buffer prep



OPTION 4

Ready-To-Use Hydrated Buffer Solution for immediate use in process



Expanding our global capacity to secure your local supply

- Key capacity expansion in hydration, amino acids and salts
- Global network of cGMP and ISO-certified manufacturing sites for critical raw materials and fluid handling solutions securing your supply chain
- Full supply visibility and traceability, with consistent documentation

