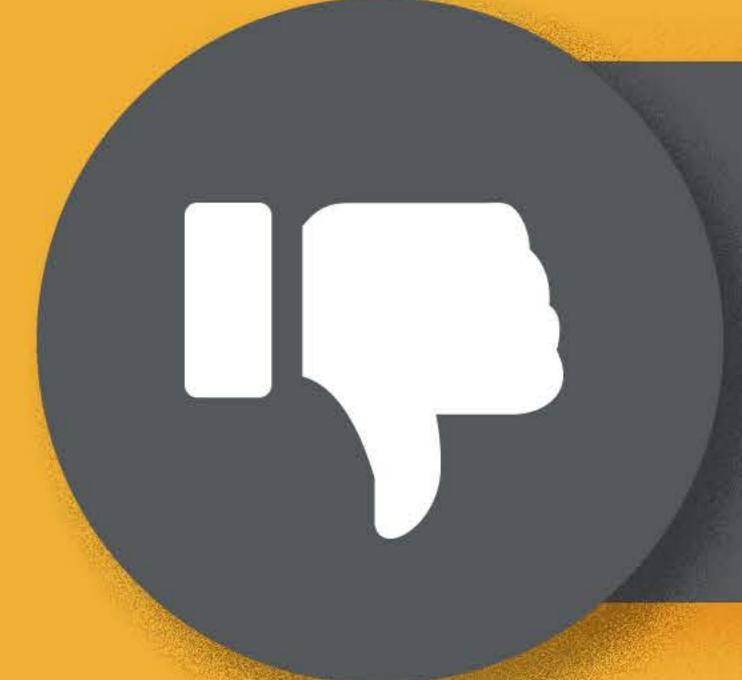
Unlock potential in buffer preparation





Staff and resources focused on in-house buffer prep activities

Documentation requirements Process liquid and buffer component complexities Operational Managing multiple chemical and inefficiencies component suppliers cGMP space and storage requirements Higher OpEx: Financial chemical sourcing, talent sourcing, \mathbb{\gamma} burdens resource allocation, equipment capacity Increased CapEx: cGMP manufacturing facilities

Manufacturing waste, contamination, misformulation

Environmental Health and Safety (EH&S) restrictions

Materials risks

Problematic materials, nuisance buffers



Staff and resources supported through scale-up by outsourcing buffer prep activities

Production efficiency

- Identify waste and improve processes with a Gemba Walk
- Utilize just-in-time delivery
- Procure raw materials in larger lot sizes to reduce raw material costs, the number of sampling events, and quality control testing costs
- Perform raw material sampling in validated cleanroom and receive tailgate samples for each lot
- Outsource process liquids and buffers to improve productivity
- Receive trusted-weight dry powders in designated bags to hydrate on-site

CapEx and OpEx allocation

- Stay lean and maximize existing investments
- Dedicate equipment, space, and resources to core manufacturing
- Reduce capital investments

Risk mitigation

- Reduce handling and EH&S concerns
- Decrease operational errors that lead to contamination and misformulation
- Cut waste and redundancies

With the right partner ->

- Plan and prepare for the unexpected
- Reallocate resources to support core activities
- Streamline liquid preparation with standard or customized options based on needs

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Consider how the right partner can help you scale faster, mitigate risks, and optimize resources.

Learn more at thermofisher.com/simplifybufferprep

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