Unlock potential in buffer preparation

Staff and resources focused on in-house buffer prep activities

- Process liquid and buffer component complexities
- Managing multiple chemical and component suppliers
- cGMP space and storage requirements
- Higher OpEx: chemical sourcing, talent sourcing, resource allocation, equipment capacity
- Increased CapEx: cGMP manufacturing facilities
- Manufacturing waste, contamination, misformulation
- Environmental Health and Safety (EH&S) restrictions
- Problematic materials, nuisance buffers

Operational inefficiencies

- Documentation requirements

Financial burdens

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

Materials risks

- Problematic materials, nuisance buffers

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

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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