

Ready-to-Hydrate Buffers

Pre-weighed powder buffers in Flexel® Tank Liners & Powder Transfer Bags for downstream processing applications.



Benefits

- Time and cost saving
Bags are directly connectable to any mixing systems without any need to test the raw materials.
- Consistency from batch to batch
Buffers are manufactured following cGMP (21CFR820) guidance according to users' unique specifications
- Ready-to-Hydrate Buffers
Only sterile filtrate is left after powder buffer is re-suspended

Product Information

Powder Buffers Prefilled Bags are pre-weighed and designed to fit with any downstream processing application up to manufacturing scale. Powder Buffers Prefilled Bags are ready-to-hydrate formulations in bags easily connectable to any mixing solutions should they be open or fully closed for contained buffer preparation.

Applications

Our powder buffer manufacturing capabilities cover the entire downstream process steps from flush buffers to depth filtration to chromatography. Two primary packaging options are available in order to match with any mixing systems.

Powder Buffers Prefilled Bags are new single-use primary packaging solutions which allow for faster implementation and cover a broad number of applications in downstream processing.

Powder Buffers Prefilled Bags set a new benchmark in convenience and reliability for downstream buffer prep.

In Bioprocessing, safety of the operators is a critical aspect increasingly outlined by regulatory agencies. This is where Powder Buffers Prefilled Bags help improve environment conditions as it offers a dust-free contained powder handling for mixing.

All the buffer formulations are available in any preferred format and primary packaging; from regular buckets to drums to pre-weighed bags.

Technical Data

Specifications

Features		Comment
Dust-free	Yes	Tri-Clamp connection with Powder Transfer Bags
Non-Animal Origin*	Yes	Certificate available on request
Precise Filling	Yes	Precision of $\pm 1\%$
Storage conditions	Ambient in the dark	
Shelf-life	Can be determined on demand	

* Powder Buffers are non animal origin certified.
Powder Buffers are manufactured according to cGMP (21CFR820) conditions in ISO facilities.

Characteristics

Our extensive experience in buffer manufacturing and our strong presence in the downstream processing field have led to high quality and reliable product design as well as a broad coverage of DSP applications.

The joined knowledge and expertise in buffer & film manufacturing ensure the supply of a reliable and convenient solution.

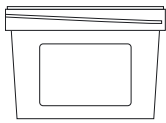

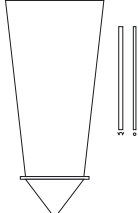
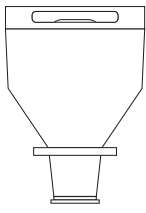
Sartopore® 2 filters are recommended for the sterile-grade filtration step.

Product types

	Nominal Size	Max Load	Eq. Max Volume*	Application
	50 L	2 kg	50 L	Open Mixing
Flexel® Tank Liners	100 L	5 kg	100 L	Open Mixing
	200 L	10 kg	200 L	Open Mixing
Powder Transfer Bags	15 L	10 kg	1,000 L	Closed Mixing
	30 L	20 kg	2,000 L	Closed Mixing

* Based on a regular PBS formulation ~10 g/L

Complete Range of Packaging Solutions for Powder Buffers

		10 g to 2 kg	5 kg to 20 kg	500 g to 10kg	2 kg to 20 kg	
Bucket		<input type="checkbox"/>				
Drum			<input type="checkbox"/>			
Flexel® Tankliner				<input type="checkbox"/>		Suitable for Open Mixing Systems
Powder Transfer Bag					<input type="checkbox"/>	Suitable for Closed Mixing Systems
				Up to 200 L	Up to 2,000 L*	

* Based on a regular PBS formulation ~10 g/L

Ordering Information

Powder Buffers Prefilled Bags are also available for custom formulations and fill volume. They will be manufactured to the exact specifications requested and delivered with the appropriate documentation. Contact your local Sales Representative and Media Project Managers for more information and get started with Ready-to-Hydrate Powder Buffers.

Below is product information for our standard powder buffer references.

Product Description	Product	Packaging	Volume	Order Number
Ready-to-Hydrate Buffer	PBS	Flexel® Liner	50 L	CQB3FA0001
Ready-to-Hydrate Buffer	PBS	Flexel® Liner	100 L	CQB3FA0002
Ready-to-Hydrate Buffer	PBS	Flexel® Liner	200 L	CQB3FA0003
Ready-to-Hydrate Buffer	PBS	Powder Transfer Bag	100 L - in 15 L bag size	CQB3FA0004
Ready-to-Hydrate Buffer	PBS	Powder Transfer Bag	200 L - in 15 L bag size	CQB3FA0005

- Shelf life: 2 years
- Storage temperature: 15°C to 30°C
- Shipping temperature: 15°C to 30°C
- Documentation: Certificate of Analysis, Safety Data Sheet

Sales and Service Contacts

For further contacts, visit
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