



Profit From Genetic Progress

ABS Udder Care Products Cold Weather Use Guidelines

We recommend protecting all ABS Udder Care products from freezing. By keeping the product warm and unfrozen, you take all the guesswork out of whether or not the product is safe to use.

However, if product should freeze:

Valiant Catalyst, Pre and Pre/Post, Encore Pre/Post and Activator, Express (1, 3, Blue, & Prime), and Exspor Activator and Base are freeze/thaw stable – make sure you agitate them thoroughly when they thaw.

Valiant Barrier and Valiant Shield are not freeze/thaw stable. Arrangements need to be made to ensure that these products do not freeze. Valiant Barrier and Shield go bad when they get to the slushy stage, so if you see them in that condition – do not take a chance – do not sell them. **THEY MUST BE DISCARDED.**

Freeze Points

Valiant Catalyst	28-31 °F	Ok - Thaw and agitate well
Valiant Pre	28-31 °F	Ok - Thaw and agitate well
Valiant Pre/Post	28-31 °F	Ok - Thaw and agitate well
Valiant Barrier	26-30 °F	DISCARD - UNUSABLE
Valiant Shield	26-30 °F	DISCARD - UNUSABLE
Encore Pre/Post	28-31 °F	Ok - Thaw and agitate well
Encore Activator	28-31 °F	Ok - Thaw and agitate well
Express 1	0 °F	Ok - Thaw and agitate well
Express 3	28-31 °F	Ok - Thaw and agitate well
Express Blue	-20 °F	Ok - Thaw and agitate well
Express Prime	-20 °F	Ok - Thaw and agitate well
4XLA	28-31 °F	Ok - Thaw and agitate well
Aztec	28-31 °F	Ok - Thaw and agitate well
Udder Gold	28-31 °F	Ok - Thaw and agitate well
Exspor Activator	28-31 °F	Ok - Thaw and agitate well
Exspor Base	Do not freeze - store above 60°F	Ok - Thaw and agitate well

*there is the potential after repeated freeze/thaw cycles to form gel clumps

Exspor Base: Do not freeze. Store above 60°F. Ingredients in Exspor base may precipitate to form particulates at the bottom of the container if stored under cool conditions (below 50°F) depending on temperature and duration. Products that show signs of precipitate can be stored at 70°F and the ingredients will reconstitute. Store precipitate containing products at or above 70°F for at least 24 hours and if precipitate disappears, the product is suitable for use. More than 24 hours may be required depending on size of container. If product does not reconstitute within 7 days above 70°F, contact your ABS Udder Care Specialist

A few helpful suggestions from other ABS representatives:

- Keep product warm during storage. If it is warm at the start of the day, your chances of delivering non-frozen product are greatly enhanced.
- Some reps insulate a whole room or build something like an insulated doghouse to store product.
- Electric ceramic heaters work well to keep small rooms heated and are readily available at farm and home stores.
- Regarding transporting product – Reps have used everything from heaters that re-circulate engine coolant back to the bed of trucks to something as simple as a blanket.
- At the dairy – make sure you deliver the product to a warm room. Place product on anything that milk inspectors will allow to get it off the floor (especially concrete floors.)
- Schedule deliveries if possible in a concise time frame so the time product spends on the back of your truck is limited.



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Extra precautions to take:

- Think ahead – allow extra delivery time during the winter months in case of inclement weather.
- If Valiant Barrier, or Valiant Shield are delivered frozen, refuse them.
- Once again, do not store products on concrete floors, even in warm milk houses. The floor is much colder than air temperature and can cause product to freeze even when the room seems warm. Store containers on a shelf, wooden pallet or however you can get them off the floor. Avoid cold-draft areas.
- Teat dips must be dry on the teats before cows go out into the cold weather. Barrier products (especially Valiant Barrier) take longer to dry on the teats, so depending on the situation, you might want to recommend switching from the barrier to the pre/post during freezing weather.
- Product left in pumps in which the pumps are exposed to prolonged periods of time at below freezing temperatures can cause serious damage to the pump.