

# Colostrum Keeper™

A soluble concentrated acidic, free flowing powder for addition to stored colostrums or liquid milk to accelerate natural fermentation of colostrum.

**HOW IT WORKS**– Colostrum (milk produced in the first five days of lactation) is a rich source of trace elements and vitamins, making it a valuable feed for calves. Naturally occurring bacteria present in colostrums will ferment over time and cause the colostrums to become more acidic. Well fermented colostrums can be stored for up to three months. Nutritech's Colostrum Keeper can also be used to acidify whole milk or milk replacer and improve the clotting ability of the milk.

## ACIDIFICATION OF CALF MILK OFFERS SEVERAL ADVANTAGES OVER WHOLE MILK:

- Pathogenic bacteria ("bad" bugs) dislike acidic conditions and are less active.
- Beneficial bacteria ("good" bugs) like acidic conditions and are more active in competing with pathogens.
- Acidifying milk encourages better and faster clotting in the stomach.
- Milk in the stomach is better digested, so there is less undigested food for pathogenic bacteria to use.

## GUIDELINES FOR STORING COLOSTRUM

- Stored colostrum should be kept in a clean stainless steel or plastic container out of direct sunlight with a loose fitting lid.
- Environmental temperature should be less than 20° C.
- Stir twice daily to prevent a crust from forming.
- Cool fresh colostrum before adding it to a "pool" of stored colostrum.
- Never add colostrum from animals treated with antibiotics (this kills the bugs that ferment colostrum).
- Add Nutritech's Colostrum Keeper to accelerate fermentation.

## FEEDING STORED COLOSTRUM

- Colostrum has a higher feed value than whole milk and can be diluted with warm (maximum 40° C) water.
- Dilute 2:1 with warm water (two parts stored colostrum to one part warm water) when teaching calves how to drink.
- Stored colostrum will not provide newborn calves with passive immunity. You must use fresh or frozen colostrum within the first 12 hour of the calf's life.

**DOSE RATE**– 1 gram per litre of fresh colostrum or whole milk.  
A 2 kg pack will treat 2000 litres of colostrum or whole milk.

## ACTIVE INGREDIENT–

2-Hydroxy-1, 2, 3– propanetricarboxylic acid.



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