



Getting Calves Off to a Fast Start Even When It's Hard



Kane Veterinary Supplies



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TechMix, LLC

The “Cold, Hard” Facts

- 18% of dairy and 5% of beef calvings were dystocia (hard calving) or required assistance
- 32% in dairy and 9% in beef first calf heifers
- 30% of calves born to dystocia die right away or soon after due to complications
- 45% of all beef calves are born from January to March when they can experience cold stress.

How do you feel without that first cup of coffee in the morning?



Adenosine

- Adenosine is a neurotransmitter that inhibits (turns off) the activity of neurons responsible for making you aroused and attentive
- Inflammation causes Adenosine levels to rise
 - Think dystocia
- High Adenosine Levels
 - Depressed Respiratory System
 - Hindered Muscle Contraction
 - Pronounced Drowsiness and Lethargy

Hypoxia

- Lack of adequate oxygen supply
 - Increased Carbon Dioxide
 - Increased Lactic Acid
- Cerebral (brain) hypoxia
 - Calves will be weak and depressed
 - Lack of suckle reflex
- Gut hypoxia
 - Decreased ability to absorb nutrients



Supports newborn calves.
Soutient des veaux nouveau-nés.

Developed with the recommendations of **Dr. Sheila McGuirk** – University of Wisconsin School of Veterinary Medicine, retired, who extrapolated the benefits from treating apnea (depressed or irregular breathing) in newborn humans.

Launched in the US - August of 2018

Key Ingredients

Green Tea Extract – All-natural, concentrated source of caffeine

- Stimulant
 - Increased Heart Rate
 - Increased Respiratory Rate
 - Increased Tidal Volume (Deeper Breaths)
 - Better oxygenation
 - Increased Gut Motility

Cassia Oil – “Chinese Cinnamon”

- Cinnamaldehyde activity
- Vasodilator (dilates blood vessels, improving blood flow)
 - Better oxygenation
- Reduces Swelling



Dr. Pete Franz

Founder of TechMix

"I used to tell the farmer to put on a pot of coffee to stimulate cold calves."

This would work, however, that pot of coffee would compete in the stomach for space with the 4 liters of colostrum a calf needs!

Calf Perk™ is a gel formulation that is sticky and will stay in the mouth.



Resources

- www.techmixglobal.com/product/calf-perk/
 - USA Specific website
- <https://www.progressivedairy.com/topics/calves-heifers/dystocia-the-struggle-isn-t-over-after-the-pull>
- <https://www.dairybusiness.com/caffeine-intervention-help-for-your-calves-too/>
- <https://www.dairyherd.com/article/caffeine-can-get-your-calves-starte>
- **EFFECTS OF A NATURAL HERBAL EXTRACT ON COLOSTRUM APPARENT EFFICIENCY OF ABSORPTION (AEA) AND VIGOR OF NEONATAL DAIRY CALVES** Maria Eduarda Reis, M. Cantor, C.M.M. Bittar, J.H.C. Costa, Department of Animal and Food Science, University of Kentucky, Lexington – Poster, ADSA, June 2020

When to Use

1. Dystocia calves
 - Give right away to a calf that has experienced a difficult birth and is weak with swollen head and or tongue
2. Hypothermic calves (Calves born in the cold)
 - Elevate body temperature and stimulate central nervous system to get calves standing and suckle first colostrum
3. Twins
 - Stimulate these small calves to get them going
4. Following transport or disease recovery
 - Calves that are still sluggish and slow to get back on feed

How to Use

- Shake Well
- Break or cut the tip below the collar (outlined in red)
- Give entire 15 ml contents orally across the tongue no more than 30 minutes prior to colostrum or milk feeding
- The solution is sticky, specifically designed to coat the tongue and roof of mouth

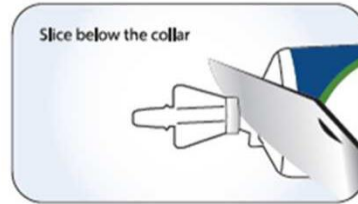
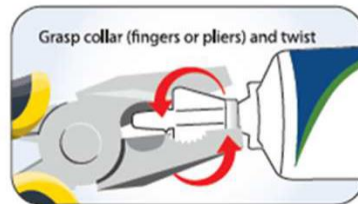
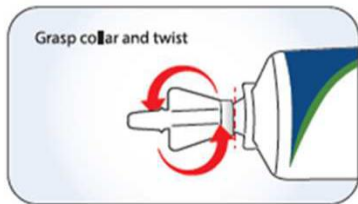




How to Use

Be sure to remove the cap below the round collar

Get newborn calves on their feet and nursing, with a **twist, clip, or snip.**



Available Sizes

- 15 Count “Fish Bowl”
 - Perfect for display at point-of-sale location, such as a checkout counter, etc.
- Each tube is a single use, single dose, 15ml serving
 - Labeled to sell individually with full label and bar code





Redefining hydration
to keep animals

drinking, eating
& producing.



English

Français

Guaranteed Analysis: Crude Protein minimum 2.50%, Crude Fat minimum 0.45%, Sodium (Na) minimum 0.15%. **Ingredients:** Corn Syrup, Water, Trisodium Citrate, Green Tea Extract, Citric Acid, Polysorbate 80, Cassia Oil, Guar Gum, FD&C Blue No. 1. **Directions for Use:** Shake well before use. Give a single tube of Calf Perk across the tongue no more than 30 minutes prior to colostrum or milk feeding. **Caution statements:** Do not exceed 2 servings within 24 hours. Not for human consumption. Do not use in animals receiving other drugs, unless directed by a veterinarian. This VHP may not be incorporated into a mixed feed. Do not use in animals with bleeding disorders, unless directed by a veterinarian. Do not use in pregnant or lactating animals. **Warning:** No withdrawal period is required when used according to the label. **Storage:** Store in cool, dry place, between 4°C and 25°C.

Registration number/Numéro d'enregistrement : NNX2Y3
Net Volume/Volume net : 15 ml
Control Number/Numéro de contrôle : 24260-785

Analyse Garantie : Protéine brute minimum 2,50%, Matières grasses brutes minimum 0,45%, Sodium (Na) minimum 0,15%. **Ingrédients :** Sirop de Maïs, Eau, Citrate Trisodique, Extrait de thé Vert, Acide Citrique, Polysorbate 80, Huile de Cassia, Gomme de Guar, Bleu FD&C n°1. **Mode d'emploi :** Bien agiter avant utilisation. Donnez un seul tube de Calf Perk sur la langue pas plus de 30 minutes avant le colostrum ou le lait. **Mises en garde :** Ne pas dépasser 2 portions dans les 24 heures. Pas pour la consommation humaine. Ne pas utiliser chez les animaux recevant d'autres médicaments, sauf indication d'un vétérinaire. Ce PSV ne peut pas être incorporé dans un aliment mélangé. Ne pas utiliser chez les animaux présentant de troubles de la coagulation, sauf indication d'un vétérinaire. Ne pas utiliser chez les animaux en gestation ou en lactation. **Avertissement :** aucun délai d'attente n'est requis lorsqu'il est utilisé conformément à l'étiquette. **Entreposage :** Conserver dans un endroit frais et sec, entre 4 °C et 25 °C.