

LAND O LAKES

ANIMAL MILK PRODUCTS CO.



BOVINE IgG

**LAND O LAKES®
COLOSTRUM REPLACEMENT**

To replace maternal colostrum in the first day of life.

FEED THE BEST
PRODUCT LICENSED BY THE USDA AS
A SINGLE-DOSE, COLOSTRUM REPLACEMENT.

Every batch is tested by the USDA for acceptable passive transfer before it can enter the marketplace.

Derived from actual bovine colostrum.

Independent research shows that LAND O LAKES® COLOSTRUM REPLACEMENT significantly outperformed plasma-derived colostrum when comparing absorption rates of desirable IgG.¹

One dose contains the energy newborn calves need for the first 12 hours of life.

¹ Place, N., S. Godden, et al. Relationship between serum total protein and serum IgG in Holstein calves fed either a lacteal- or plasma-derived colostrum (AgriLabs® Colostrx® 130) replacer. Proc. 2010 American Association of Bovine Practitioners (AABP) Conference – vol. 43.

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Early influence lasts a lifetime.

Establishing transfer of adequate immunity in the first hours of life by feeding colostrum could affect a calf's immunological and cellular development, potentially impacting her growth, lifelong health and performance.²

FEATURES

**DRIED BOVINE COLOSTRUM
BASED PRODUCT**

LICENSED AND TESTED BY USDA

EACH DOSE PROVIDES >100 GRAMS OF IgG

**CONTAINS
95% IgG₁**

95%

IgG₁ & 5% IgG₂

LAND O LAKES®
COLOSTRUM REPLACEMENT

50%

IgG₁ & 50% IgG₂

plasma-based product

**HEAT TREATED FOR SAFETY
COMPLETE PRODUCT TRACEABILITY**

**GREATER
RATE OF
PASSIVE
TRANSFER¹**

94%

PASSIVE TRANSFER

LAND O LAKES®
COLOSTRUM REPLACEMENT

36%

PASSIVE TRANSFER

Colostrx 130®
plasma-based product

BENEFITS

Contains all the protein and fat of natural bovine sourced colostrum

Newborn calves at the USDA labs are fed a sample from each batch
Calves are tested to ensure product meets passive transfer requirements

Greater rates of passive transfer compared to serum-based products

IgG₁ is the only form of IgG known to get re-secreted from calves blood back onto mucosal surfaces (gut & lungs), where it helps address enteric and respiratory diseases

Guaranteed free of bacteria and disease causing pathogens

Independent research suggests better rates of passive transfer because of greater apparent efficiency of absorption (AEA) of IgG is delivered with our colostrum-derived LAND O LAKES® COLOSTRUM REPLACEMENT³



INDICATIONS: LAND O LAKES® COLOSTRUM REPLACEMENT is used as an aid in the treatment of failure of passive transfer (FPT) in newborn calves.

DIRECTIONS: Use a whisk or electric mixer to thoroughly mix the powder into water. Feed all product immediately after reconstitution.

DOSE: 1 dose ≥100 g IgG/dose 16.6 ounces (470 g)

TO REPLACE MATERNAL COLOSTRUM:

- If feeding by nipple, mix 2 level scoops or 1 single dose bag (16.6 oz) of powder into 1 quart (4 cups) of hot to the touch water (about 120°F or 49°C).
- If feeding by esophageal feeder, mix 3 level scoops or 1.5 single dose bags (24.9 oz) of powder into 1.5 quarts (6 cups) of 120°F or 49°C water.

Feed as soon as possible after birth, and not later than 6 hours of age. Provide free choice water at all times.

In an efficacy study filed with the Center for Veterinary Biologics of the USDA, calves fed this product at the recommended levels (24.9 oz by esophageal feeder) achieved average serum IgG levels of 14.5 mg/mL and average serum total protein levels of 5.4 mg/mL.⁴

STORAGE: Store in a dry location at room temperature (no higher than 72°F or 22°C). Available in single dose bags or 40 dose pails.