



HeadStart® HiCal

Leave No Lamb or Kid Behind

A newborn's start is dependent on proper colostrum management. If maternal colostrum is not available or if a "top-up" is required, use HeadStart® HiCal as a whole fat colostrum replacer or supplement.



High Immunity

An excellent source of immunoglobulins required by newborns during the first critical hours of life.

High Fat Content

Fat source is pure colostrum fat; the fat most readily metabolized by newborns to maintain body temperature. Other fats have not been shown to provide the same benefits.

Free From Pathogens

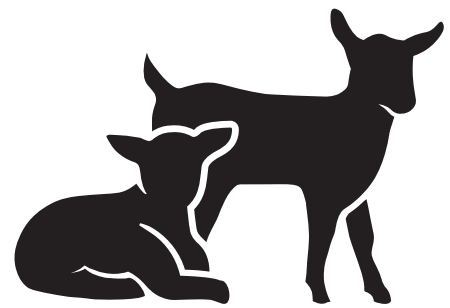
Can be used to replace or supplement maternal colostrum when ewes or does are infected with OPP, CAE, Johne's or other disease agents that can be transferred through infected colostrum.

Whole Bovine Colostrum

HeadStart® HiCal is made only from whole bovine colostrum. It has been proven safe and effective for supplying high levels of immunity, colostrum fat, lactose, plus the nutrients, and growth factors required by newborn lambs and kids.

Conveniently mixes within 15 seconds!

Easy mix with a 3 year shelf life.



INDICATIONS

- ◆ Use to supplement or replace doe or ewe colostrum when the quality or quantity of available colostrum is inadequate, when lambs or kids are unable to suckle (multiple birth situations, first pregnancy ewes, sick or weak dam), or when ewes or does are infected with diseases that can be transferred through colostrum.
- ◆ Newborn lambs and kids need to consume adequate amounts of colostrum soon after birth and throughout the first day of life to allow them to maintain body temperature and to ensure adequate immunoglobulin transfer. **HEADSTART® HiCal** is an excellent source of colostrum fat and lactose needed to avoid hypoglycemia and hypothermia plus the nutrients, immunoglobulins, and growth factors necessary to support good health, growth, and long term performance.

FEEDING RECOMMENDATIONS

- ◆ All lambs and kids should get their first colostrum feeding within 2 hours after birth, followed by two additional feedings, ideally within the first 18 hours of life.
- ◆ Each feeding is based on body weight. Feed the appropriate amount described in the chart below.
- ◆ Calculate 15% of bodyweight as colostrum quantity to feed within the first 18 hours.
- ◆ Temperature of mixing water should be 43 - 49°C. When fed, colostrum should be close to the lamb/kid's body temperature.

TYPICAL ANALYSIS (PER BAG)

Ingredients	Bovine Colostrum
IgG for Immunity	100 g (14%)
Colostrum Fat for Energy	23%
Net Weight	700 g (multiple feedings per bag)

FEEDING EXAMPLE FOR A 4KG LAMB

Birth

Day 1: colostrum phase

HeadStart® HiCal as a **replacement** or **supplement**



1ST FEEDING

- *Mix 40g powder with 150 ml water
- *Feed within the first 2 hours



2ND FEEDING

- *Mix 40g powder with 150 ml water
- *Feed within the first 10 hours



3RD FEEDING

- *Mix 40g powder with 150 ml water
- *Feed ideally within the first 18 hours

Lamb/Kid Weight		Powder per feeding		Water per feeding	Final volume
kg	lb	g	Approx. scoop**	mL	mL
2.0	4.4	20	1	75	90
3.0	6.6	30	1.5	110	135
4.0	8.8	40	2	150	180
5.0	11.0	50	2.5	190	225
6.0	13.2	60	3	225	270
7.0	15.4	70	3.5	260	315
8.0	17.6	80	4	300	360

*All product must be weighed

**Measuring scoop included is approximately equal to 20g of powder