

Lamb's Choice Total™

Colostrum for Newborn Lambs

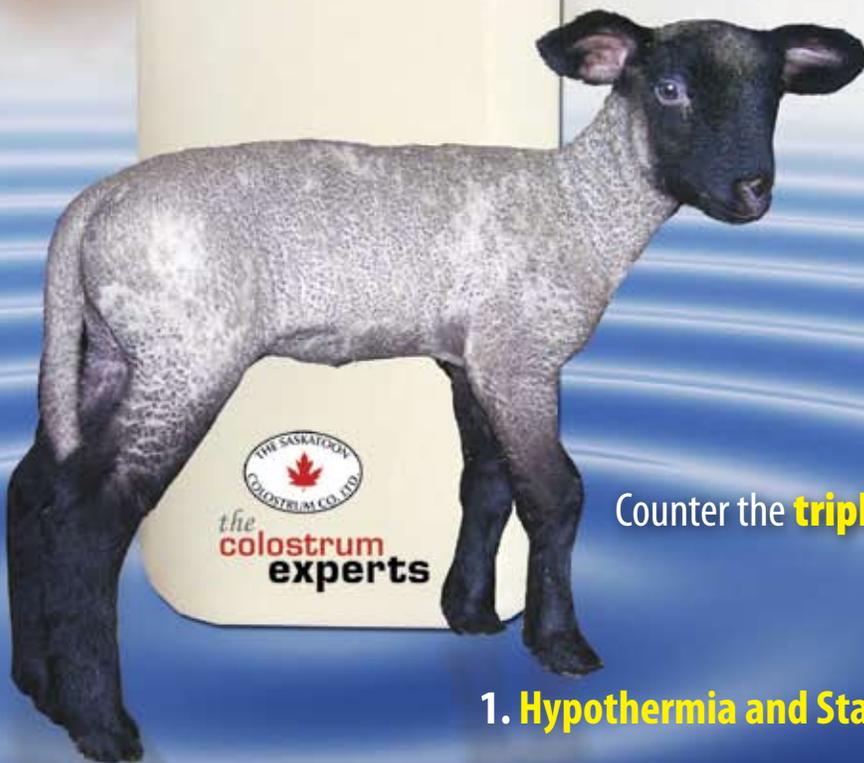


Lamb's
Choice Total™
Provides
Triple Benefits
Protection

1. High Energy – Rich in natural colostrum fat and lactose, the nutritional fuels that help lambs maintain body temperature even when exposed to cold, wet, or windy conditions. Contains $\geq 23\%$ natural colostrum fat

2. Immunity Rich – Contains high levels of globulin proteins, the molecules that prevent infectious diseases. Delivers $> 4.4\text{g}$ of globulin proteins per kg of body weight per feeding

3. Safe - Free of diseases such as: Ovine progressive pneumonia (OPP), John's Disease, Coxiella and other diseases that can be transferred from infected ewes to nursing lambs through colostrum



Counter the **triple threats**

of newborn lambs at birth - **Today!**

1. Hypothermia and Starvation

Delayed intake of safe, good quality colostrum can be fatal, with threats of sickness that can ripple through their lives limiting their potential for healthy growth

2. Lack of Immunity

3. Exposure to diseases spread through infected colostrum



Lamb's Choice Total™ Colostrum for Lambs - Feeding Recommendations

HIGH ENERGY - Newborn lambs have limited energy reserves and need rapid access to colostrum to maintain body temperature and survive. This is especially true for lambs that have a difficult birth, are born into cold temperatures, or are born to poorly fed ewes. **Lamb's Choice Total™** has been formulated to contain natural high levels of colostrum fat and lactose because they are the only nutrients that newborn lambs can quickly convert into the energy needed to maintain body temperature.

The following feeding recommendations are for lambs that do not receive any other colostrum. They are based on body weight, but it should be noted that specific needs will vary depending on environmental conditions. When given in **each of three feedings in the first 18 hours of life** these feeding recommendations are designed to provide a newborn lamb with the energy needed for maintenance plus 100 g of gain under indoor [still, dry] conditions, or with maintenance and lower gain under outdoor conditions.

Lamb Type	Typical Lamb Weight (kg)	Powder / Feed (g)	Number of Level Scoops	Water / Feed (ml)	Final Volume per Feeding (ml)
Triplet	3.0	30.0	1.5	110	135
Twin	4.0	40.0	2.0	150	180
Low Average	4.5	45.0	2.25	170	210
Average	5.0	50.0	2.5	190	230
High Average	6.0	60.0	3.0	225	270
Over sized	8.0	80.0	4.0	300	360

Each level scoop measures 20 g of **Lamb's Choice Total™**



Note: Due to the high fat content, colostrum may be too thick to pass through standard lamb nipples. It may be necessary to enlarge the nipple opening.

IMMUNITY RICH - The following lamb feeding trial conducted by Dr. G. SHEPHERD (BVM&S MRCVS, G. Shepherd Animal Health Ltd. Preston, Lancashire, UK) confirms that **Lamb's Choice Total™** provides lambs with high levels of immunoglobulins.

A flock of 170 mixed aged ewes was scanned using real time ultrasound to diagnose foetal numbers. Triplet bearing ewes were housed, and immediately after lambing the ewe and her lambs were placed in an individual pen. At 2 to 3 hrs old all the triplet lambs were assessed for "gut-fill" by lifting the lamb by the forelegs and observing the shape and fullness of the abdomen. Lambs that were not considered to be "full" were supplemented with 10g of **Lamb's Choice Total™** colostrum powder per kilogram of bodyweight given via oesophageal tube. A second dose of reconstituted **Lamb's Choice Total™** was given at the same dose 3 to 4 hrs later. A blood sample was collected from the lambs at 48-72 hours of age and submitted to the VLA, Preston for measurement of serum immunoglobulin levels by the Zinc Sulphate Turbidity (ZST) test. Any illness or deaths were recorded. Lambs remained with their mothers in individual lambing pens for a day then were transferred to small grass paddocks.

RESULTS - A total of fifteen lambs were triplets and were supplemented with **Lamb's Choice Total™**.

Health and Survival. - No illness or deaths were recorded in the lambs by the time they joined the main flock.

Immunoglobulin Levels. - The average ZST level in the 15 lambs fed **Lamb's Choice Total™** was 28.9 units, and 14 /15 lambs had ZST levels above 20 units. ZST units are similar to grams /L of serum globulin protein.

Manufactured by:
The Saskatoon Colostrum Co. Ltd.
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Lamb's Choice Total™
 The perfect feed supplement for newborn lambs made from natural bovine colostrum

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