

Give one to all calves as soon as possible and feed the calf three litres of clean colostrum within two hours of birth to ensure maximum antibody levels. **Give new-born lambs 5-10mls**

Biocolost[®] B

Give your calves and lambs the antibody kick start to life

Vet Testimonial

Gerry Neary, MRCVS, Vet Centre, Mountbellow, Co. Galway:

"I recommend Biocolost B routinely, immediately after birth, in suckler herds experiencing problems with neonatal scour, with spectacular results."

Farmer Testimonial

Michael Mannion and his wife Mary, farm forty suckler spring calving cows at fairhill, Menlough, Ballinasloe, Co. Galway. Michael has used Biocolost B for the last four years:

"We found a big reduction in the number of calves with scour. We also observed that the Biocolost Calves recover much better from infections."

FOR MORE INFORMATION CONTACT;

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Highly concentrated liquid immunoglobulin feed supplement for the newborn calf or lamb which is subjected to high infection levels or who may not be getting the optimum level of colostrum in the two hours after birth

- ✓ Highly concentrated immunoglobulin feed for calves and lambs.
- ✓ Helps correct immune-deficiency immediately after birth and in animals with diarrhoea.
- ✓ Ready-to-use. No refrigeration, dilution or warming required.
- ✓ Give one to all calves as soon as possible and feed the calf three litres of clean colostrum within two hours of birth.
- ✓ Contains 12g immunoglobulins per 100ml bottle.
- ✓ Give 5-10mls to new-born lambs to top up the antibodies recieved from the ewe.



Biocolost[®] B

COLOSTRUM AND IMMUNOGLOBULINS

Colostrum is produced in the latter stages of pregnancy and ensures that the first milk contains the immunoglobulins (antibodies) and growth factors which are vital to the new-born's health and well-being.

Why Is Colostrum Important?

Colostrum is of critical importance to provide the antibodies and growth factors which are vital to the new-born's health and well-being.

In particular the antibodies are needed to fight off bacteria which the animal will come up against in the first hours and days after birth.

Inadequate Colostrum At Birth

Best practice is for all calves to receive 3 litres of clean colostrum in the first 2 hours of life.

Calves should receive this colostrum from their own low disease risk mother or from

another low risk cow.

In today's modern farm it can be difficult to ensure that each calf gets the recommended amounts of high quality colostrum.

How Prevalent is Inadequate Colostrum?

The prevalence of the issue of inadequate colostrum is well recognised and documented.

All-island Animal Disease Surveillance Report, 2012, reports that 63% of tested calves have inadequate ZST levels, which are indicative of antibody intake through colostrum by calves.

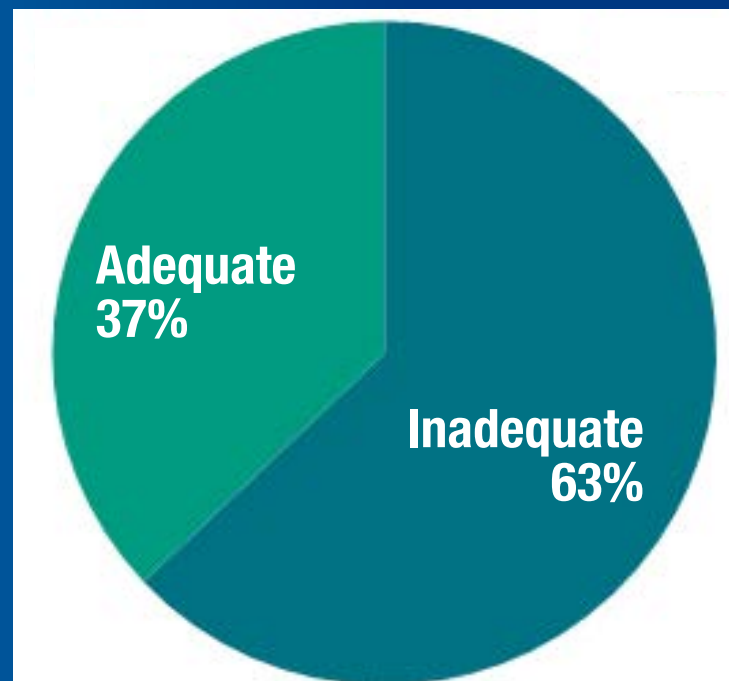


figure 1

HOW TO ENSURE ADEQUATE COLOSTRUM

1. Disease Risk of Shared Colostrum

✓ In today's farm it can be difficult to ensure calves get adequate high quality colostrum, containing the immunoglobulins necessary to fight off infections. This is clearly evident in the amount of calves failing the zinc turbidity test (in figure 1)

✓ It is now recognised as poor practice from a disease control point of view¹ to pool colostrum or to use colostrum from cows with unknown Johnes Disease or high Johnes risk status.

✓ Feeding of high quality colostrum replacer products rather than raw bovine maternal colostrum may reduce the risk of MAP (Mycobacterium avium subspecies paratuberculosis), the cause of Johnes Disease in Endemically infected herds, by up to 44%².

✓ Biocolost B is an excellent way to top up the immunoglobulin levels from the dam's colostrum and to help ensure that the calf gets the maximal amount of immunoglobulins and gets off to the best possible start.

2. Ready-To-Use Biocolost[®] B Liquid Feed



✓ Ready to use immunoglobulin concentrate feed supplement.

✓ Biocolost B is harvested from the first milking only of 3rd calved cows, from monitored herds. The cattle from the herds of origin are regularly examined for

- Bovine brucellosis
- Enzootic bovine leucosis
- BHV1 infection

✓ The herds are officially accredited as free from tuberculosis and there has been no cases of paratuberculosis (Johnes's disease) on these farms.

✓ The colostrum is micro-filtrated to obtain maximum immunoglobulin levels of 12,000 mg per 100ml feed.

✓ The product is stable and does not require refrigeration.

✓ Simply administer to new-born animals to top up antibody levels as soon as possible after birth.

Biocolost[®] B - Aids natural immunity, tops up antibody levels.

DOSAGE: CALVES - 100MLS, LAMBS 5-10MLS.

¹ AHI Johnes Disease Control VRAMP User Guide for veterinary practitioners.

² Efficacy of feeding plasma-derived commercial colostrum replacer for the prevention of transmission of Mycobacterium avium subsp. paratuberculosis in Holstein calves. Pithua et al, Journal of the American Veterinary Medical Association, 2009. 234(9): 1167-1176