HAMLET PROTEIN®
a nuscience brand



Low scouring in milk fed calves – add HP 100 to CMR

The best start to get robust and vital calves that grow to their full potential is by feeding an easily digestible milk replacer. While dairy proteins used to be the natural first choice, today specialty soy proteins are equally good cost-efficient alternatives.

Pre-weaned calves are more unthrifty and suceptible to diseases if incidence of scouring is high. By partially replacing whey protein with HP 100 in CMR the dry matter content increases and calf's feces become more firm.

Low incidence of scouring when **HP 100** *is included in the milk replacers*



Significantly firmer feces with **HP 100**

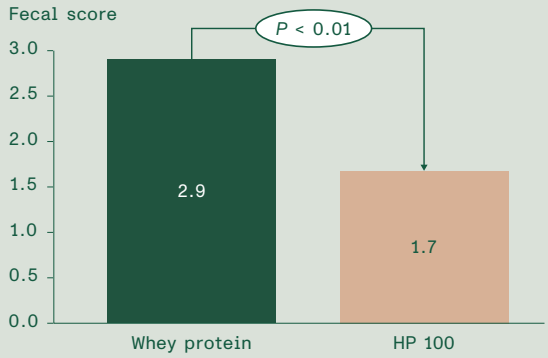

Figure 1. Fecal scores were assigned twice per day based on the following values: 1=normal, solid; 2 = semi-formed, pasty; 3=loose, stays on top of bedding; 4=watery, sifts through bedding.

Calves grow equally good on **HP 100** *and whey protein*



Figure 2. Equal increase in body weight during the 5 days calves were fed CMR containing either whey protein or HP 100. No different superscripts meaning no significant difference.

Calves fed HP 100 had significantly (P = 0.04) 0.23-fold lower odds to show nasal discharge, whereas the whey protein in CMR only showed a tendency.

The lower DM in the sediment indicates better flowability. 41% less DM in sediment with **HP 100** *than SPC of similar particle size*

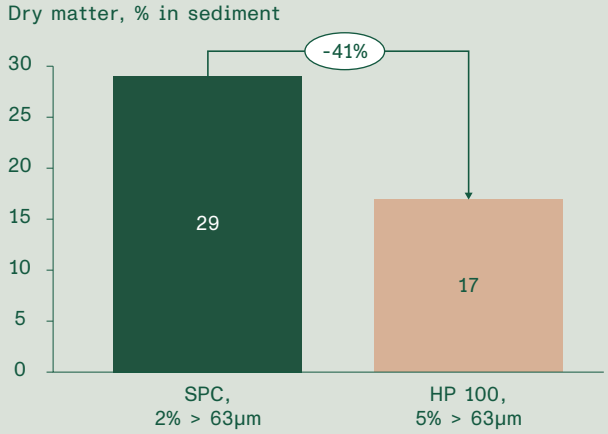

Figure 3. Dry matter content in the sediment after 15 min. holding time reduces by 41% when HP 100 is compared to a SPC of similar particle size.

HP 100 results in a homogenous solution for maximum availability of all nutrients while the calf is drinking. Our superior technical functionality and product flowability allows for a safe replacement of whey protein in the milk. HP 100 is subject to a light flocculation and stays in suspension.

Benefits

- ✓ Same growth rate as dairy products
- ✓ Clean calves with more firm feces
- ✓ Highly palatable

Product description

HP 100 is a finely ground protein source with high AA digestibility and low levels of ANFs. The product stays in suspension, providing sufficient time for calves to drink the product.

Product features

- ✓ Same high protein and amino acid digestibility as whey protein
- ✓ Superior product functionality with low risk of sedimentation
- ✓ Low content of anti-nutritional factors
- ✓ Also available as non-GM

Recommended use

- HP 100 is a protein alternative to calf milk replacer when a cost-efficient alternative to dairy protein is needed.
- 12 – 20% inclusion rate of HP 100 in CMR, partially replacing milk-derived protein.
- Use HP 100 as top dressing in whole milk to meet protein requirements from day one.

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