

Our Mission

Our mission is to produce the highest quality milk replacer and supplements for calves. NRV products will promote and support the transition of a non-ruminant animal into a ruminant animal. The end result is a healthy and happy animal, which is economical for our customers. We pride ourselves in training and educating our employees and customers to make sure the highest quality of products and services are provided at all times.

Our Commitment

We work with all types of producers, products, and calf raising styles. Our calf specialists, nutritionists, and staff will provide knowledge and advice to meet your needs!

We will always provide the highest quality milk replacer and supplements needed to meet the development needs of your calves and business.

When it comes to raising healthy and happy calves we are in it together.

Balancer/Fortifier/Extender: Baby Calf Nutritional Support for Pasteurized Whole/Waste Milk

NRV Balancer is a state of the art whole milk balancer/fortifier/extender designed to supplement the nutritional requirements of your baby calves.

Why do you need a balancer?

Because whole milk is not whole!

Option 1:

You have enough pasteurized milk to feed all your baby calves.

Option 2:

You utilize pasteurized whole/waste milk but you do not have enough to feed all your calves.

By adding NRV Balancer to your pasteurized whole/waste milk you ensure that your calves are getting all the nutrition required to promote lean tissue growth and greater stature in calves. As a result, you provide a consistent final product to your future herd replacements.

Visit with your NRV representative for proper mixing instructions for either option.

See table on reverse side.



We take care of calves, naturally!

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NRV, Inc. is part of the Serval Family of Milk Replacers



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The table below highlights in **GREEN (✓)** where using a Balancer with whole/waste milk meets the daily requirements of the baby calf per the NRC nutritional requirements. **RED (✗)** indicates the areas where whole milk comes up short. NRV Balancer fulfills the short comings of whole milk.

Nutrient	Whole Milk	Whole Milk & Balancer	
Zinc	✗	✓	Zinc Functions: required for activity of several metabolic enzymes, regulates several cellular function and immunity; <i>Symptoms of inadequacy: reduced feed intake, depressed growth.</i>
Iron	✗	✓	Iron Functions: component of hemoglobin, required for function of key metabolic enzymes; <i>Symptoms of inadequacy: listlessness, poor feed intake and weight gain, increased morbidity and mortality due to depressed immune function.</i>
Manganese	✗	✓	Manganese Functions: Required for cartilage and bone formation, component of antioxidant enzyme(manganese superoxide dismutase); <i>Symptoms of inadequacy: impaired growth, skeletal abnormalities.</i>
Copper	✗	✓	Copper Functions: required for function of key metabolic enzymes, bone and connective tissue formation, hemoglobin synthesis, production of key antioxidant enzyme (superoxide dismutase): <i>Symptoms of inadequacy: loss of hair pigmentation, scours, anemia, fragile bones, poor growth, depressed immune function.</i>
Selenium	✗	✓	Selenium Functions: component of key antioxidant enzyme (glutathione peroxidase), required for thyroid hormone function, optimal immune function, muscle function; Symptoms of inadequacy: white muscle disease, poor growth, general un-thriftiness, diarrhea.
Iodine	✗	✓	Iodine Functions: required for the synthesis of thyroid hormones (thyroxine and triiodothyronine) that regulate energy metabolism, especially important for allowing calves to increase basal metabolic rate during cold weather. <i>Symptoms of inadequacy: decreased production of thyroid hormones (decreased energy utilization), goiter (enlarged thyroid), and weakness.</i>
Cobalt	✗	✓	Cobalt Functions: component of vitamin B12; <i>Symptoms of inadequacy: growth depression, un-thriftiness, weight loss.</i>
Vitamin D3	✗	✓	Vitamin D Functions: involved in regulation of calcium and phosphorus metabolism, required for bone formation and growth, supports immune function; <i>Symptoms of inadequacy: enlarged and painful joints.</i>
Vitamin E	✗	✓	Vitamin E Functions: cellular antioxidant, involved in maintenance of cellular membranes, fatty acid metabolism, immune function, works synergistically with selenium; <i>Symptoms of inadequacy: white muscle disease, impaired immune function.</i>
Vitamin K	✗	✓	Vitamin K Functions: Involved in key blood clotting factors (Prothrombin formation). <i>Symptoms of inadequacy: spontaneous hemorrhaging, increase blood clotting time.</i>
Thiamin	✗	✓	Thiamin Functions: also known as Vitamin B1: removing a carboxylic acid group COOH. <i>Symptoms of inadequacy: anorexia, cardiovascular disturbances, enlarged heart, slowed heart-rate.</i>
Pyridoxine	✗	✓	Pyridoxine Functions: also known as Vitamin B6: essential for metabolism of tryptophan, essential for red blood cell formation. <i>Symptoms of inadequacy: convulsions, hyperirritability of nerves and lead to anemia.</i>
Vitamin B12	✗	✓	Vitamin B12 Functions: Component of 2 co-enzymes NAS and NaDP, plays a role in hydrogen transport.
Choline	✗	✓	Choline Functions: helps to transport fatty acids out of the liver, lipotropic factor prevents an accumulation of fat especially within the liver. <i>Symptoms of inadequacy: can get fatty liver.</i>
Niacin	✗	✓	Also known as Vitamin B3.
Folic Acid	✗	✓	Also known as Vitamin B9.
Biotin	✗	✓	