

[ABOUT THE SOLIDOSE® DELIVERY SYSTEM TECHNOLOGY]

All our Solidose® products use the easy-load SoliDoser® system. Packaged in foil pouches, the multiple 10-dose clips of our pelleted biologics are ready for insertion into the SoliDoser®. The device fully advances each dose, so there is no 'filling of syringes.' The slim-line design, with its smaller gauge needle, ensures a less-invasive, more effective sub-Q application, either in the neck or ear base.



A huge benefit of going Solidose® is that ONE application equals TWO ROUNDS of traditional vaccination protocol. **How it works:** upon administration of a Solidose® implant, the first 'instant' portion of the tiny pellet is absorbed by the animal within hours. Then in roughly 30 days, the rest of the encapsulated pellet dissolves its polymer coating, releasing the booster dose into the animal. *And it is here—this second absorption—that immunity begins.* Remember: the initial, first absorption of any product—whether by traditional injectable vaccine or Solidose®—only introduces the immune system to the antigens. But it is that all-important second round that activates the immunity process.

This dual timing; the reduced animal handling; and the strategic antigen efficacies—these are the crucial strengths behind our comprehensive Solidose® herd health strategy.

[ABOUT OUR AUTOGENOUS LINE-UP]

A challenge to commercial vaccine development has always been the diversity of pathogens and the emergence of new variants. Additionally, health issues, like scours and respiratory diseases, are rarely singular in cause. They are more often the result of multiple infectious pathogens and various opportunistic pathways. Enter Nold Animal Supply. Our autogenous foundation is boots-on-the-ground herd health strategies that help producers manage, and better yet, avoid vexing herd health issues. Our arsenal of Solidose® strain combinations have been custom crafted to target your own herd's potential disease challenges. We are also continually engaged in detection diagnostics, which maintains strain efficacy and pushes forward continued product evolution. This applies to our Solidose® line-up and also to our pro-active pastes, starters, and spore pills.

[ABOUT NOLD ANIMAL SUPPLY]

We've been in the veterinary service and product business since 1957, when Dr. Martin Nold set up his practice in Gettysburg, South Dakota. That first quarter of a century, Doc covered the north central SD countryside, treating the diverse rangeland and farmyard animals of that era. But somewhere after crossing one too many fences and treating one too many after-the-fact sick animals, Doc began rethinking some of the old and established commercial vaccine protocols. He began a journey of developing his own autogenous product lines to avoid some of the animal health wrecks he had seen firsthand.

Doc is now gone but that legacy is as strong as ever. The old vet left behind a staff relentlessly passionate about improving the efficiency and efficacy behind herd health. Today Nold Animal Supply remains committed to helping you manage current pathogenic challenges, while being diagnostically vigilant for tomorrow's next round of variants. It is pro-active health management at its grass roots best and why this storefront still considers itself "the baby calf's best friend."

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Nold

ANIMAL SUPPLY

YOUR HEALTHY HERD DESTINATION



"...STILL THE
BABY CALF'S
BEST FRIEND."



OUR AUTOGENOUS SOLIDOSE® LINE-UP

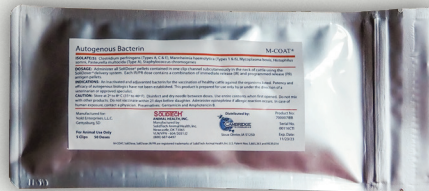
2 VALENT



- » **Mannheimia haemolytica (Types 1 & 6)**
- » **Mycoplasma bovis**
- » **Histophilus somni**
- » **Pasteurella multocida (Type A)**
- » **Staphylococcus chromogenes**

This is our straight respiratory product. It has multiple strains of Mycoplasma and Pasteurella, not available in any other commercial product. To round out respiratory challenges, Histophilus somni, formerly known as Haemophilus somnus, and Staphylococcus have also been added.

3 VALENT



- » **Clostridium perfringens (Types A, C & E)**
- » **Mannheimia haemolytica (Types 1 & 6)**
- » **Mycoplasma bovis**
- » **Histophilus somni**
- » **Pasteurella multocida (Type A)**
- » **Staphylococcus chromogenes**

This product contains the same antigens of 2 Valent, PLUS the addition of our Clostridials. The strains we have selected provide the most complete protection available in the marketplace for stressed calves.

FOOTROT/PINK EYE



- » **Moraxella bovis**
- » **Moraxella bovoculi**
- » **Mycoplasma bovoculi**
- » **Trueperella pyogenes**
- » **Fusobacterium necrophorum**

This product contains the 3 primary pinkeye-causing pathogens. It also has protection from other pathogens, including diphtheria and foot rot. Additionally, it contains Mycoplasma bovoculi, not readily found in other vaccines.

TRUMP



- » **Clostridium perfringens (Types A, C, & E)**
- » **Escherichia coli**
- » **Salmonella typhimurium**
- » **Bovine Rotavirus (Type A)**
- » **Bovine Coronavirus**

This product has been our game-changing replacement for commercial scour guard vaccines. The Roto and Corona viral strains were strategically and diagnostically selected, along with bacterial E. coli and Salmonella antigens. It's an integral tool for attacking problematic calf scours through good herd health in the cows.

OUR ORAL CALF PRODUCT LINE-UP

CALF STARTER PASTE

The first few days of a calf's life impacts overall performance from birth all the way to weaning. A dose of Paste proactively helps calves fend off future health challenges and jumpstarts productivity. One of the most unique products in the baby calf marketplace, our Paste contains a beneficial combination of micro-encapsulated bacteria and an 8-way antibody package of:

- » **Bovine Rotavirus**
- » **Bovine Coronavirus**
- » **Salmonella Dublin**
- » **Salmonella thyphimuium**
- » **Salmonella Newport**
- » **E. coli K99**
- » **Clostridia types, especially A**
- » **Cryptosporidia**

A Vitamin B12 package and Farmatan rounds out the formulation. No other product available contains these specifically targeted strain variations, prevalent in so many scour issues. Additionally, its healthy charge of beneficial bacteria promotes intestinal health and positive bacteria population. Our micro-encapsulation technology ensures paste viability of at least 98% live product going into your calves. Calf Starter Paste is a must-have for an optimum calving season.



REJUVENATE

From scouring calves to respiratory-stressed feeder animals, Rejuvenate is the go-to necessity for restoring health. It gets challenged calves back to vigorous health and stressed feedlot animals back to the bunk. Rejuvenate has the SAME antibody package and beneficial bacteria of Calf Starter Paste, all micro-encapsulated. It also contains the Vitamin B12 package and Farmatan. But added to the formula is the most important biologic for this scenario: Encrypt.

About Encrypt: when it comes to scours, the most overlooked aspect can be pH levels. The pH of a sick calf shifts out of balance to a range favorable for the problem-causing pathogens to further populate. The Encrypt helps neutralize the acid level and restores the pH level to a healthy optimum. This is the foundation for replacing and promoting the growth of beneficial bacteria.



SPORE PILLS

These are very effective in aiding and treating the protozoa family of diseases like coccidia and others. They've been a Nold Animal Supply staple for more than 20 years. Protozoa parasites cause infection in calves, leading to irregularly-colored scours, which can be fatal if left untreated. They also rob calves of essential nutrients and cause damage to the intestinal system. This, in turn, opens the window to bigger problems and susceptibility to numerous other viral and bacterial infections.

A calf receives the original infection from the mother's teat. A spore pill within 20 days can ward off first infection. Re-treatment may be necessary. Watch calf manure color for reinfection signs.

