

# Are enteric issues threatening your cattle?

Fight back with an autogenous (custom) vaccine.

## Enteric issues are common with devastating consequences in cattle.

- Approximately 20% of calves suffer from diarrhea
- Onset can be rapid with no warning signs
- 10-15% are severely affected and require immediate treatment
- Up to 15% of scouring calves do not survive
- Affected calves tend to have lower average daily gain
- Affected cows struggle to return to previous production levels
- Survivors can continue to shed pathogens

Nearly  $\frac{3}{4}$  of scouring calves are treated with antibiotics, but continued evolution of pathogens has led to resistance issues. These changing pathogens may no longer match the strains that commercial scours vaccines were formulated with 20-30 years ago, leading to disease breaks.

Autogenous scours vaccines from Cambridge Technologies are formulated using isolates identified in scours breaks on farms in your region.

## Pathogens included in an autogenous Scours vaccine will depend on the age and production cycle of the animal:

- **Clostridium perfringens** types A, C, E
- **Rotavirus**
- **Coronavirus**
- **E. coli K99** and **E. coli F17**

An autogenous enteric vaccine from Cambridge Technologies is developed using isolates taken from scours breaks on farms in the region, ensuring that the product contains relevant antigens that pose a threat to the cattle.

## Armor Autogenous Beef Scours

#29394 ..... 50 ds (100 mL)

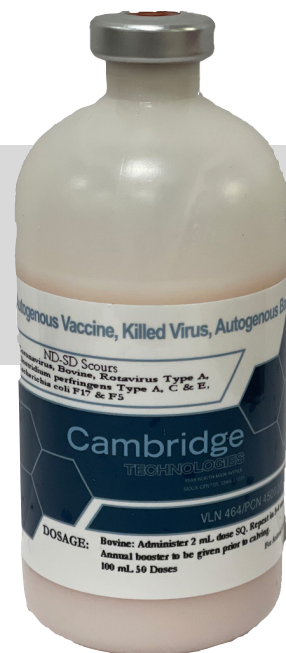
Autogenous vaccines can be formulated specifically for scours-causing bacteria found on your farm. Work with your Armor Veterinarian or herd vet to determine what vaccine is appropriate for your farm or ranch.

**NOTE:** The Autogenous Scours Vaccine requires a VCPR with an Armor Vet or your herd vet or can be purchased by a veterinarian after state vet approval.



Vaccine manufactured by Cambridge Technologies®  
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**Contact your Armor  
Sales Rep or Veterinarian  
for details today!**



Armor Veterinary Services  
866.986.9404 | [pharmacy@armorah.com](mailto:pharmacy@armorah.com)

[info@armorah.com](mailto:info@armorah.com) | 800.255.1181

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**ARMOR**  
ANIMAL HEALTH<sup>®</sup>

DETECT. DEFEND. DELIVER.

## Precision Vaccinology<sup>®</sup>

Precision autogenous vaccines manufactured by *Cambridge Technologies* employ next-generation diagnostics and state of the art production technology to create a customized product targeting the disease-causing agents in the affected herd(s). Industry-leading molecular diagnostics including complete genome sequencing identify the specific antigen threats that need to be included in the product. The resulting vaccine is then formulated and customized to the needs of individual veterinarians.

[www.armoranimalhealth.com/autogenous](http://www.armoranimalhealth.com/autogenous)

## Why Autogenous?

### Specific

Autogenous vaccines are the most targeted, science-driven solution available. The vaccines will be built around the disease strains that are identified as potential threats to the herd(s) in question.

### Speed & Flexibility

The nature of autogenous products means a speedy turnaround, so that emerging threats can be dealt with in a timely fashion. Should a new strain or agent emerge, future manufacturing runs of the autogenous product can be altered to include the new threat.

### Antibiotic Stewardship

Growing concerns about excessive use of antibiotics in food animals as well as increased resistance has led to a decrease in the use of antibiotics in treating enteric issues in cattle. Autogenous vaccines offer veterinarians and their clients a flexible management tool to counter emerging and evolving diseases.

### Service & Solutions

Customer and technical service at *Cambridge Technologies* extends beyond the vaccine bottle. Our experienced team partners with veterinarians and producers through every step of the process, from initial diagnosis through product testing and shipment and continued monitoring moving forward.



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**Contact your Armor  
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for details today!**



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[info@armorah.com](mailto:info@armorah.com) | 800.255.1181

Armor Veterinary Services  
866.986.9404 | [pharmacy@armorah.com](mailto:pharmacy@armorah.com)