

CUSTOM MADE VACCINES
DESIGNED SPECIFICALLY FOR DEER



BENEFITS OF CUSTOM MADE VACCINES:

- Utilize multiple isolates from an area to develop a unique vaccine combination
- Keep preventative health program up to date using most current isolates
- Easy handling, excellent syringeability
- USDA licensed and subject to strict safety and sterility testing

Newport Laboratories, Inc. utilizes cutting-edge PINPOINT Technologies to create Custom Made Vaccines targeting your specific needs. From the latest in isolate analysis and selection techniques to our proprietary manufacturing and adjuvanting systems, Newport Laboratories, Inc. Custom Made Vaccines are the epitome of science-based vaccine technology.

Call Newport Laboratories, Inc. today and put Custom Made Vaccines to work for you.

800-220-2522 | www.newportlabs.com



Custom Made Vaccines are sold exclusively through veterinarians.

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References:

1. Grass CF. 2012/13 Swine Vaccine Project. C F Grass Consulting. 2013 Feb: 32
2. Grass CF. 2012/13 Ruminant Vaccine Project. C F Grass Consulting. 2013 Feb: 23
3. Data on file. Newport Laboratories, Inc. Worthington, MN. Internal genetic analysis of EHDV serotypes

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Since 1997, Newport Laboratories, Inc. has assisted veterinarians and livestock producers in their efforts to address animal health problems through diagnostic testing and production of Custom Made Vaccines.

Our dedicated employees, quality products, innovative solutions and personalized customer service, are the catalyst for Newport Laboratories, Inc. success. Today, we are the nation's leading manufacturer of USDA-licensed autogenous biologics,^{1,2} providing Custom Made Vaccines for customers across the country.

Newport Laboratories, Inc. partners with veterinarians and producers in the cervid industry to build Custom Made Vaccines specifically for the species.

POSSIBLE COMBINATIONS:

| VIRAL & BACTERIN COMBINATION | BACTERIN COMBINATION |
|---|---|
| EHDV Types 1, 2 & 6 | <i>Fusobacterium necrophorum</i> (Lumpy Jaw) |
| Bluetongue (BTV) | <i>Clostridium perfringens</i> Type A |
| <i>Fusobacterium necrophorum</i> (Lumpy Jaw) | <i>Pasteurella multocida</i> (Pneumonia) |
| <i>Clostridium perfringens</i> Type A | <i>Trueperella pyogenes</i> |
| <i>Pasteurella multocida</i> (Pneumonia) | <i>E. coli</i> |
| <i>Trueperella pyogenes</i> | <i>Bibersteinia trehalosi</i> |
| <i>Bibersteinia trehalosi</i> | |
| VIRAL COMBINATION | OTHER |
| EHDV Types 1, 2 & 6 | Mycoplasma |
| Bluetongue (BTV) | <i>E. coli</i> |

ADVANCED DIAGNOSTICS:

Advanced diagnostics are able to isolate the specific disease causing pathogens from your herd and help reveal disease trends in your herd. Newport Laboratories, Inc. uses genetic analysis on pathogens such as EHDV to identify subtypes and compare similarities to other isolates of the same pathogen.

CUSTOM MADE VACCINES:

Custom Made Vaccines are manufactured using the specific disease causing pathogen(s) circulating in your herd(s). Newport Laboratories, Inc. utilizes cutting-edge PINPOINT® diagnostic and production technologies to create a vaccine targeting your specific needs.

Custom Made Vaccines also offer a unique opportunity to build a custom vaccine to meet your specific needs.

SAFETY PROTOCOLS:

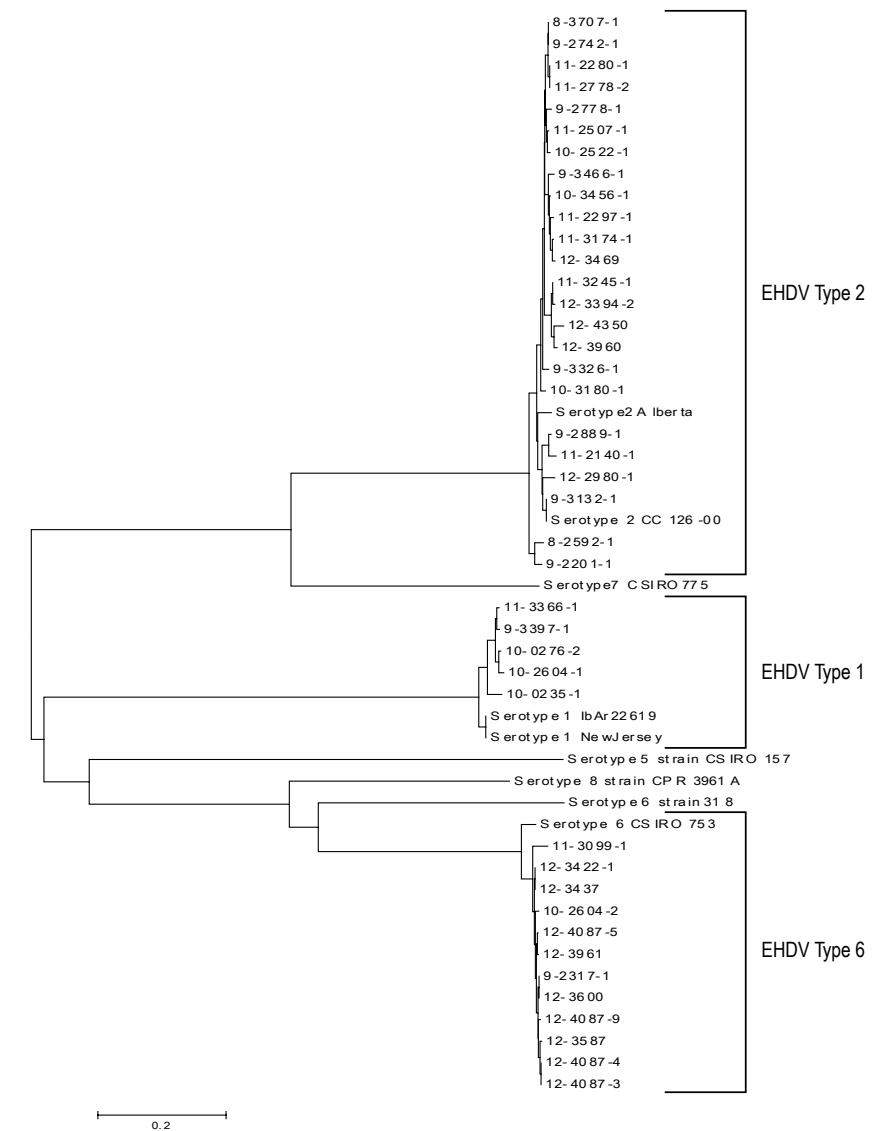
Newport Laboratories, Inc. Custom Made Vaccines are manufactured following USDA approved production outlines. All of our Custom Made Vaccines are subject to strict safety and sterility testing as required by the USDA in the Code of Federal Regulations.

NON-ADJACENT HERD USE:

Custom Made Vaccines can be used in non-adjacent herds with the approval of the State Veterinarian. This gives you greater flexibility with your Custom Made Vaccine. Use of Custom Made Vaccines in non-adjacent herds requires filing for Non-Adjacent Herd Use approval with the State Veterinarian by Newport Laboratories, Inc.

TECHNICAL SERVICE CONSULTATION

Cervid veterinarians and producers face a number of health and production challenges on a daily basis. To help the cervid industry with overall herd health, Newport Laboratories, Inc. offers consultations with veterinarians serving their cervid clients. This consultation may address the entire scope of the operation including: animal health, disease management, animal husbandry, farm management, breeding, handling systems and facility design.



Genetic Analysis performed in-house at Newport Laboratories, Inc. demonstrates the genetic difference among EHDV isolates.³