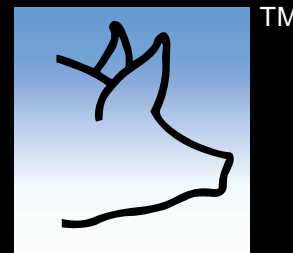


# Bordetella Bronchiseptica- Erysipelothrix Rhusiopathiae- Pasteurella Multocida- Streptococcus Suis Bacterin-Toxoid



## Rhinogen® CTSE

La bacterina-toxoide puede servir como una ayuda en la prevención de rinitis atrófica causada por *Bordetella bronchiseptica* y la toxina de *Pasteurella multocida* serotipo A y D. También puede servir como ayuda en la prevención de artritis y meningitis causada por *Streptococcus suis* y erisipelas causada por *Erysipelothrix rhusiopathiae*.

**Dosis y indicaciones:** Tanto cerdas y reemplazos y sus lechones deben ser vacunados como se indica a continuación: Cerdas y reemplazos: 2 mL IM. Dar 2 dosis con un intervalo de por lo menos 2 semanas con la segunda dosis aplicada por lo menos 2 semanas antes del parto. Para las siguientes gestaciones, revacunar antes de cada parto. Lechones de 7 a 10 días de edad o antes del destete: vacunar con 2 mL SC. Dar una segunda dosis 2 - 3 semanas después.

**Advertencias:** Agítese bien. No guardar frascos abiertos. No vacunar 21 días antes del sacrificio. Manténgase a 2° - 7°C (35°F-45°F). No congelar. Si ocurren reacciones alérgicas, administre epinefrina. Contiene gentamicina como conservador.

**SOLO PARA USO VETERINARIO**

### Bordetella Bronchiseptica- Erysipelothrix Rhusiopathiae- Pasteurella Multocida Streptococcus Suis Bacterin-Toxoid



#### Rhinogen® CTSE

50 doses 100 mL Code PS-774-50



INTERVET INC., Millsboro, DE 19966  
U.S. Veterinary License No. 286

The bacterin-toxoid will serve as an aid in the prevention of atrophic rhinitis caused by *Bordetella bronchiseptica* and the toxin of *Pasteurella multocida* serotypes A and D. It will also serve as an aid in the prevention of arthritis and meningitis caused by *Streptococcus suis* and erisipelas caused by *Erysipelothrix rhusiopathiae*.

**DIRECTIONS:** Both sows and gilts and their piglets must be vaccinated as follows: Sows and gilts: 2 mL IM. Give 2 doses at least 2 weeks apart with the second dose administered 2 weeks before farrowing. Revaccinate before each subsequent farrowing. Piglets: 2 mL SQ at 7-10 days of age or prior to weaning. Repeat with a second dose in 2-3 weeks.

**CAUTION:** Shake well. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Store at 2° to 7°C (35° to 45°F). Do not freeze. In case of anaphylactoid reaction administer epinephrine. Contains gentamicin as a preservative.

**FOR VETERINARY USE ONLY**

7745001

\*Not actual label

**An aid in the prevention of disease caused by  
*B. bronchiseptica*, *E. rhusiopathiae*, *Strep. suis*,  
and the toxin of *P. multocida* serotypes A and D.**

- The first and only A/R and Strep combination.
- Erysipelas fraction protected vaccinates against field challenges.
- For problem A/R herds.
- Protection against arthritis and meningitis caused by *Strep. suis*.
- Contains 2 strains of *Strep. suis* in every dose.



# Product Discussion

## Rhinogen® CTSE

*Bordetella Bronchiseptica-Erysipelothrix Rhusiopathiae-Pasteurella Multocida-Streptococcus Suis* Bacterin-Toxoid

The first and only AR, Ery and Strep combination.

Why is strep in combination with an AR vaccine? It's simple. Arthritis and meningitis can occur along with AR problems in any stage of production.

*Strep suis* also contributes to respiratory problems. Strep is also isolated in abortion, fading pig, sudden death, and systemic cases, as well as arthritis and meningitis cases.

South Dakota State University's Diagnostic Laboratory data confirms that *Strep. suis* can be a problem in upper respiratory cases, in addition to abortion, arthritis, endocarditis, meningitis and septicemia cases.

Rhinogen® CTSE fits in your sow and weaned pig program.

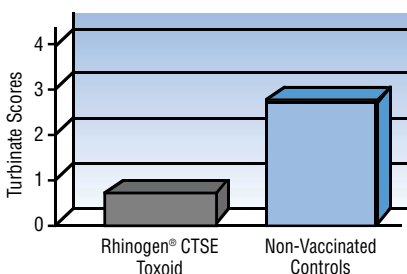
### The power of Rhinogen® CTE 5000.

In efficacy studies, Rhinogen® CTSE toxoid consistently and significantly reduced average turbinate scores against a severe, *Pasteurella multocida* cell-free, toxin challenge.

The pure toxin challenge caused resorption of the nasal turbinates in the control group. The vaccinated group had normal turbinate development and rate of gain.

### Rhinogen® CTSE Toxoid Reduces Atrophy

(Rhinogen® CTSE Efficacy Study, 1992)



### Strong erysipelas protection.

Erysipelas is widespread and a severe problem. In Rhinogen® CTSE efficacy studies, CTSE protected 100% of the vaccinated pigs whereas 100% of the unvaccinated pigs either died or became sick.

In studies of the erysipelas fraction, three different field isolates were used as challenges and 90% of the vaccinates were protected. You can be sure Rhinogen® CTSE will provide the protection for today's challenges.

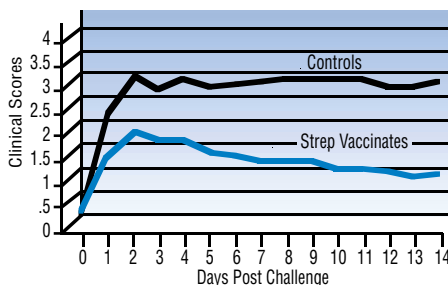
### Strep suis protection for arthritis and meningitis.

Confinement production can put a lot of stress on hogs. Anorexia, lameness, CNS disorders, fading pig syndrome, meningitis—and even sudden death can be caused by *Strep. suis*. Herds need strep protection at prefarrowing and weaning. Rhinogen® CTSE is the answer and fits right into your AR program.

In efficacy studies, Rhinogen® CTSE significantly reduced lameness and muscular tremors, convulsions and paralysis when challenged with either *Strep. suis* Type 1 or Type 2. These are the two most common, disease-causing types of strep.

### Strep. suis Clinical Scores

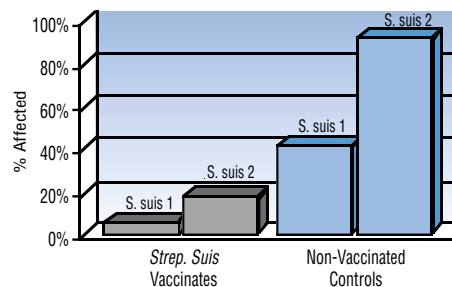
(Rhinogen® CTSE Efficacy Study, 1992)



New Rhinogen® CTSE gives you the strep protection you've wanted in combination, right where you need it. No other combination product on the market can give you this protection.

### Incidence of Tremors, Convulsions & Paralysis

(Rhinogen® CTSE Challenge Study, 1992)



### A maternal protection program that fits.

Rhinogen® CTSE bacterin-toxoid will serve as an aid in the prevention of arthritis and meningitis caused by *Strep. suis* and erysipelas caused by *E. rhusiopathiae* in sows. When used in conjunction with a Rhinogen® CTE 5000 vaccination program in piglets, Rhinogen® CTSE is an aid in the prevention of atrophic rhinitis caused by *B. bronchiseptica* and the toxin of *P. multocida* serotypes A and D in the piglets.

### A weaned pig program that works for you.

Rhinogen® CTSE bacterin-toxoid will serve as an aid in the prevention of atrophic rhinitis caused by the toxin of *P. multocida* serotypes A and D. Rhinogen® CTSE also aids in the prevention of arthritis and meningitis caused by *Strep. suis* and prevention of erysipelas caused by *E. rhusiopathiae*.

# Product Information

## Rhinogen® CTSE

*Bordetella Bronchiseptica-Erysipelothrix Rhusiopathiae-Pasteurella Multocida-Streptococcus Suis* Bacterin-Toxoid

An aid in the prevention of atrophic rhinitis caused by *Bordetella bronchiseptica* and the toxin of *Pasteurella multocida* serotypes A and D. It will also serve as an aid in the prevention of arthritis and meningitis caused by *Streptococcus suis* and erysipelas caused by *Erysipelothrix rhusiopathiae*.

### DIRECTIONS:

Both sows and gilts and their piglets must be vaccinated as follows: Sows and gilts: 2 mL IM. Give two doses at least 2 weeks apart with the second dose administered 2 weeks before far-

rowing. Revaccinate before each subsequent farrowing. Piglets: 2 mL SQ at 7-10 days of age or prior to weaning. Repeat with a second dose in 2-3 weeks.

### CAUTION:

Shake well. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Store at 2° to 7°C (35° to 45°F). Do not freeze. In case of anaphylactoid reaction administer epinephrine. Contains gentamicin as a preservative.

### SUPPLIED:

Code: PS-774-50 Size: 50 dose (100 mL)

### READ AND FOLLOW LABEL DIRECTIONS

For more information about Intervet Products call **1-800-835-0541** or visit us at **www.intervetusa.com**



Intervet Inc., Millsboro, DE 19966

U.S. Veterinary License No.286  
© 2002, Intervet Inc.

20040MAG 07/01