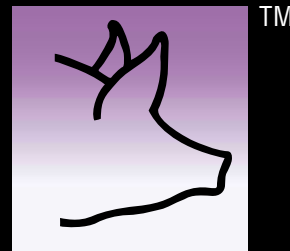


Bordetella Bronchiseptica- Erysipelothrix Rhusiopathiae- Escherichia Coli-Pasteurella Multocida Bacterin-Toxoid



Sow Bac® E II

Un producto, químicamente inactivado, y adjuvantedo para uso en cerdas gestantes sanas como una ayuda en la prevención de la colibacilosis (causada por *E. coli* antígeno K88, K99, F41, 987P), rinitis atrofica y neumonía (causada por *B. bronchiseptica* y *P. multocida* no toxigenica tipo A y toxigenica tipo A y D) en lechones lactantes. Este producto también es usado como una ayuda en la prevención de Erisipelas en cerdas gestantes sanas causadas por *E. rhusiopathiae*.

Dosis y Indicaciones: Agítese bien, asepticamente administrar intramuscular o subcutaneamente 2 mL 5 semanas y 2 semanas antes del parto. En partos subsecuentes inyectar una dosis de 2 mL una o dos semanas antes del parto.

Advertencias: Manténgase en un lugar obscuro a no más de 7°C (45°F). No congelar. No guardar frascos abiertos; no guardar partes de contenido. Incinerar botella y contenido no usado. Usar solamente en cerdas gestantes sanas. No vacunar 21 días antes del sacrificio. Si ocurren reacciones alérgicas, administre epinefrina. Contiene neomicina, timerosal, gentamicina y polimixina B como conservadores.

SOLO PARA USO VETERINARIO

**Bordetella Bronchiseptica-
Erysipelothrix Rhusiopathiae-
Escherichia Coli-Pasteurella
Multocida Bacterin-Toxoid**



Sow Bac® E II

25 doses 50 mL Code PS-787-25

Intervet

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

A chemically inactivated, adjuvanted product for use in healthy pregnant swine as an aid in the prevention of colibacillosis (caused by *E. coli* antigens K88, K99, F41, 987P), atrophic rhinitis and pneumonia (caused by *B. bronchiseptica*, and *P. multocida* nontoxicogenic type A and toxicogenic types A and D) in their nursing piglets. This product is also used as an aid in the prevention of erysipelas in healthy pregnant swine caused by *E. rhusiopathiae*.

DOSAGE AND DIRECTIONS: Shake well, aseptically inject intramuscularly or subcutaneously with a 2 mL dose at 5 weeks and 2 weeks pre-farrowing. Inject one 2 mL dose at 1-2 weeks before subsequent farrowing.

CAUTION: Store in the dark at not over 45°F (7°C). Do not freeze. Do not save partial contents. Burn the container and all unused product. Use only in healthy pregnant swine. Do not vaccinate within 21 days of slaughter. If allergic reaction occurs, treat with epinephrine. Contains thimerosal, gentamicin and polymyxin B as preservatives.

FOR VETERINARY USE ONLY

*Not actual label

The Prefarrowing Vaccine with 9 Protective Functions.

- Provides protection for 4 major pilus types of *E. coli*, *B. bronchiseptica*, 3 types of *P. multocida* and *Erysipelothrix*.
- Protects against 9 disease-causing agents.
- Low dose volume, 2 mL IM or SC.
- Multi-antigen combination means fewer injections.
- Reduces labor expenses.
- Reduces stress on breeding stock and handlers.
- Proven safe in gestating sows and gilts.
- Comprehensive scours and respiratory protection.
- Achieves high-level of colostrum immunity with minimal injections.

Intervet

Product Discussion

Sow Bac® E II

Bordetella Bronchiseptica-Erysipelothrix Rhusiopathiae-Escherichia Coli-Pasteurella multocida
Bacterin-Toxoid

Producers are tired of struggling with a variety of sow shots. Sow Bac® E II offers 9 protective functions all in one bottle and induces high colostral immunity levels critical for baby pigs. It is a complete prefarrowing bacterin toxoid. The four most common pilus types of *E. coli*, K88, K99, 987P and F41 that produce LT and/or ST enterotoxins are included, plus the AR stopping power of Rhinogen®BPE and erysipelas protection for the sow herd.

THE PROBLEM

Baby pig scours cause producers the greatest economic loss. The NAHMS Swine '95 study reported over 16% of all preweaning deaths were caused by scours. In addition to death loss, each day that baby pigs have neonatal scours, it takes an additional 5-7 days to reach market.

Losses from respiratory diseases are next in economic importance. *Bordetella* and *pasteurella* infections take hold early to cause both regressive and progressive atrophic rhinitis. Again, high colostral immunity and early vaccination for AR help prevent costly losses later in the production cycle. Sow Bac® E II provides the prefarrowing protection needed by today's pork producers.

THE VACCINE

Bordetella bronchiseptica - Erysipelothrix rhusiopathiae - Escherichia coli - Pasteurella multocida bacterin-toxoid are used for the vaccination of healthy pregnant swine, to provide active protection against *Erysipelothrix rhusiopathiae*, and to provide sows and gilts with passive protection to their nursing pigs against important pathogens:

Atrophic rhinitis and pneumonia (*Bordetella bronchiseptica* and *Pasteurella multocida* nontoxigenic type A and toxigenic types A and D. Colibacillosis (*Escherichia coli* pilus antigens K88, K99, F41 and 987P)

These etiologic agents are the most important causes of neonatal porcine diarrhea, atrophic rhinitis and pneumonia. They often occur in combination with each other causing increased morbidity and mortality losses. Furthermore, several of these diseases may produce similar clinical signs in baby pigs, making it desirable to provide broad protection to nursing pigs. Laboratory confirmation of the cause of baby pig diarrhea is recommended since other viral, bacterial and coccidial agents also can cause similar disease signs.

In challenge studies, the *E. coli* fraction of Sow Bac® E II induced very high serum titers and colostral antibodies to all 4 of the major

E. coli pilus types. These antibodies prevent the attachment of the pilated *E. coli* to the epithelial cell lining of the small intestine. That means less LT and/or ST enterotoxins are produced to cause scours and death. Upon challenge with each *E. coli* pilus type, each group of baby pigs showed dramatic reduction in mortality and clinical scours scores; and a dramatic increase in weight gained.

In the Sow Bac® E II atrophic rhinitis challenge, pigs from vaccinated gilts had significantly lower turbinate atrophy scores than pigs from unvaccinated control gilts. Piglets were heavily challenged with toxigenic strains of *P. multocida* types A and D and snouts were analyzed 4-5 weeks later.

In the erysipelas challenge, all of the non-vaccinated animals and none of the vaccinated animals were susceptible to erysipelas. In field safety trials, no abortions were noted and the vaccine performed safely under field conditions.

Product Information

Sow Bac® E II

Bordetella bronchiseptica-Erysipelothrix rhusiopathiae-Escherichia coli-Pasteurella multocida
Bacterin-Toxoid

For the vaccination of healthy sows and gilts for the protection of their litters against neonatal diarrhea caused by *E. Coli* of pilus types K88, K99, 987P, F41 and atrophic rhinitis and pneumonia caused by bordetella bronchiseptica and pasteurella multocida types A and D.

DESCRIPTION:

This product when used in conjunction with the appropriate piglet vaccination program, is an aid in the prevention of atrophic rhinitis

caused by *B. bronchiseptica* and the toxin of *P. multocida* serotypes A and D. This product is also an aid in the prevention of erysipelas in the sow herd caused by *E. rhusiopathiae*.

DIRECTIONS FOR USE:

Aseptically inject healthy sows and gilts with 2 mL IM or SQ at least 5 weeks prior to farrowing. Repeat dose at 1-3 weeks prior to farrowing and 1-3 weeks prior to each subsequent farrowing. If the interval between subsequent farrowings is more than 8 months, the two dose schedule of vaccination should be followed. Piglets must be vaccinated with Rhinogen® BPE or CTE 5000. Read and follow Rhinogen® BPE or CTE 5000 label directions for piglet vaccination.

CAUTION:

Shake well. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Store at 2°-7°C (35°-45°F). Do not freeze. In case of anaphylactoid reaction administer epinephrine. Contains thimerosal, gentamicin and polymyxin B as preservatives.

SUPPLIED:

Code: PS-787-25 Size: 25 Doses (50 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

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