

FOR ANIMAL TREATMENT ONLY

COOPERS[®]
BOVILIS[®] S
INACTIVATED SALMONELLA VACCINE FOR CATTLE

ACTIVE CONSTITUENTS
Inactivated *Salmonella dublin*: minimum input
2.5 x 10⁸ orgs/mL.
Inactivated *Salmonella typhimurium*: minimum input
2.5 x 10⁸ orgs/mL.

Also contains: 0.1 mg/mL Thiomersal (preservative).

An aid in the control of
cattle salmonellosis
caused by *Salmonella*
dublin and *Salmonella*
typhimurium.



100 mL



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TRADE ADVICE
EXPORT SLAUGHTER INTERVAL
(ESI): Zero (0) days.

FIRST AID
If poisoning occurs, contact a doctor or
Poisons Information Centre. Phone
Australia 131126.

DISPOSAL
Dispose of empty container by wrapping
with paper and putting in garbage.

STORAGE
Store between 2°C and 8°C (refrigerate,
do not freeze.) Protect from light.
Discard if previously frozen. KEEP
OUT OF REACH OF CHILDREN.

Warranty
Intervet Australia Pty Limited (IAPL),
trading as MSD Animal Health, warrants
that this product is of merchantable
quality and fit for its intended purpose.
IAPL's liability for any loss, including
consequential losses or injury caused by
act or omission, including negligent acts
or omissions, by IAPL or its agent, is
limited to replacing or repairing the
product at the option of IAPL. If possible,
a sample of any product causing concern
should be retained or delivered to IAPL
within 30 days for a scientific
examination.

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READ THE ENCLOSED LEAFLET FOR
FULL INSTRUCTIONS.

DIRECTIONS FOR USE
Shake well to mix before use and
keep mixed during use.
USE ALL PRODUCT WITHIN
12 HOURS OF OPENING.

WARNING: For subcutaneous injections
– see enclosed leaflet.

DOSE: 2 mL subcutaneous injection into
the neck.

VACCINATE: Cows twice approximately
3 to 4 weeks apart. A booster dose is
given every 12 months.
For colostral protection, vaccinate
pregnant cows approximately 8 and
3 weeks before calving.
Calves should be fed colostrum from
vaccinated cows for at least 5 days after
birth.

EQUIPMENT: The vaccine bottle and the
draw-off assembly are designed for use
with an automatic vaccinating gun.

CONNECTING BOTTLE TO
AUTOMATIC VACCINATOR
1. Connect the draw-off assembly to the
vaccine bottle.
2. Connect the other end of draw-off
assembly firmly onto the automatic
vaccinator.
3. The bottle may be suspended from the
shoulder by means of a carrying
strap.
4. Eject air from the vaccinator and tube
by depressing plunger until vaccine
flows through needle.

RESEALING VACCINE BOTTLE
1. Close the tube close to the vaccinating
gun using the clip provided.
2. Remove tube from the vaccinating
gun. Dip the end of the tubing in
antiseptic and cover with cotton wool
or suitable material soaked in
antiseptic.
3. Return vaccine bottle to the carton and
store in refrigerator.
4. Observe conditions of storage.

WITHHOLDING PERIODS: Zero
(0) days.

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COOPERS ANIMAL HEALTH
Intervet Australia Pty Limited
(trading as MSD Animal Health)
91-105 Harpin Street,
Bendigo East VIC 3550
Phone: 1800 226 511

APVMA Approval No.: 49960/130198

Batch Expiry



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© Yellow (PANTONE® 123) the predominant colour
of Coopers packaging is a registered trademark.
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396222 R3 MSD
Animal Health

PSA020Z12_02_R1
105x55x130mm
PMS 123 + PMS 293 +
PMS 2582 + Black



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351887 R3



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An aid in the control of cattle salmonellosis caused by *Salmonella dublin* and *Salmonella typhimurium*.

100 mL



TRADE ADVICE: EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days.

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DISPOSAL: Dispose of empty container by wrapping with paper and putting in garbage.

STORAGE: Store between 2°C and 8°C (refrigerate, do not freeze). Protect from light. **Discard if previously frozen.**

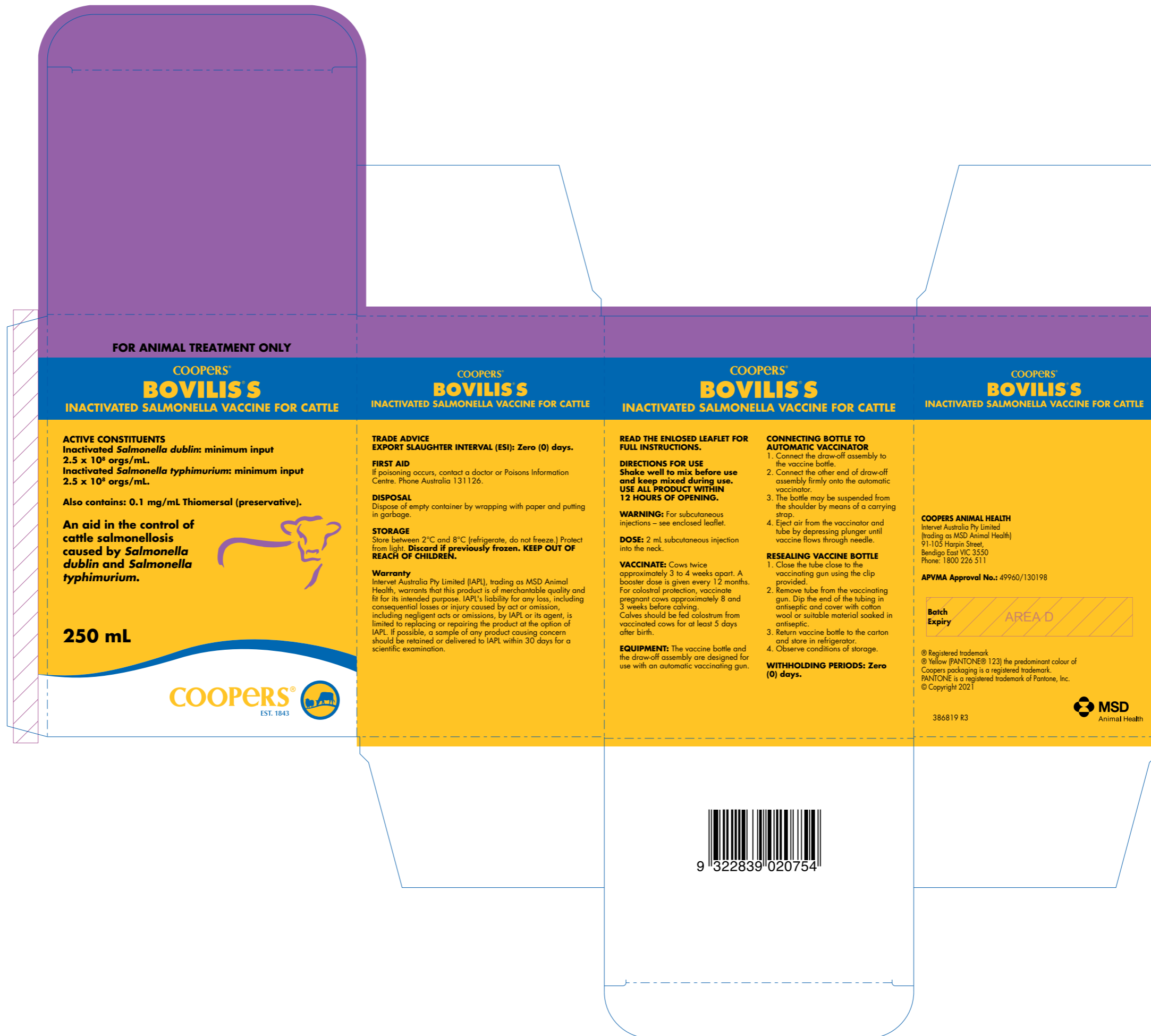
KEEP OUT OF REACH OF CHILDREN.

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Area must be free of
any design and text

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250 mL



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 Calves should be fed colostrum from
 vaccinated cows for at least 5 days
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EQUIPMENT: The vaccine bottle and
 the draw-off assembly are designed for
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**CONNECTING BOTTLE TO
 AUTOMATIC VACCINATOR**

1. Connect the draw-off assembly to
 the vaccine bottle.
2. Connect the other end of draw-off
 assembly firmly onto the automatic
 vaccinator.
3. The bottle may be suspended from
 the shoulder by means of a carrying
 strap.
4. Eject air from the vaccinator and
 tube by depressing plunger until
 vaccine flows through needle.

RESEALING VACCINE BOTTLE

1. Close the tube close to the
 vaccinating gun using the clip
 provided.
2. Remove tube from the vaccinating
 gun. Dip the end of the tubing in
 antiseptic and cover with cotton
 wool or suitable material soaked in
 antiseptic.
3. Return vaccine bottle to the carton
 and store in refrigerator.
4. Observe conditions of storage.

**WITHHOLDING PERIODS: Zero
 (0) days.**

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AREA D

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386819 R3



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WITHHOLDING PERIODS: Zero (0) days.

386970 R1



250 mL

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TRADE ADVICE: EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

DISPOSAL: Dispose of empty container by wrapping with paper and putting in garbage.

STORAGE: Store between 2°C and 8°C (refrigerate, do not freeze). Protect from light.

Discard if previously frozen. KEEP OUT OF REACH OF CHILDREN.

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DIRECTIONS FOR USE

Dosage and administration

Shake well to mix before use and keep mixed during use.

USE ALL PRODUCT WITHIN 12 HOURS OF OPENING.

Inject healthy cattle with 2 mL subcutaneously. The recommended site of injection is that used for routine injection in cattle i.e. under the skin in the neck.

VACCINATION PROGRAM

It is recommended that cows should be vaccinated twice with a 2 mL subcutaneous injection 3 to 4 weeks apart. Then a booster dose is given every 12 months. For colostrum protection, vaccinate pregnant cows approximately 8 and 3 weeks before calving. Calves should be fed colostrum from vaccinated cows for at least 5 days after birth.

METHOD OF VACCINATION

1. Use sterile equipment or commercially available sterile equipment.
2. Avoid injection of animals under wet or dusty conditions, if possible.
3. Before vaccine is injected the proposed site of vaccination may be cleansed by swabbing with cotton wool dipped in antiseptic.
4. Use needles of appropriate length and gauge i.e. 16 gauge 15 mm. We recommend you obtain disposable needles from your Veterinarian. Replace them frequently while vaccinating.
5. Maintain cleanliness at all times during vaccination. Take care to avoid contamination of the vaccine, needles and internal parts of the syringe by contact with non-sterile surfaces or dirty hands. Poor techniques can cause abscesses or illness in the cow.
6. Mix contents of vaccine pack well before use and shake frequently to keep mixed during use.
7. Partially used containers of vaccine whose contents may have become contaminated must be discarded.

EQUIPMENT

The vaccine bottle and the draw-off assembly are designed for use with an automatic vaccinating gun.

CONNECTING BOTTLE TO AUTOMATIC VACCINATOR

1. Connect the draw-off assembly to the vaccine bottle.
2. Connect the other end of draw-off assembly firmly onto the automatic vaccinator.
3. The bottle may be suspended from the shoulder by means of a carrying strap.
4. Eject air from the vaccinator and tube by depressing plunger until vaccine flows through needle.

RESEALING VACCINE BOTTLE

1. Close the tube close to the vaccinating gun using the clip provided.
2. Remove tube from the vaccinating gun. Dip the end of the tubing in antiseptic and cover with cotton wool or suitable material soaked in antiseptic.
3. Return vaccine bottle to the carton and store in refrigerator.
4. Observe conditions of storage.

WARNING FOR SUBCUTANEOUS INJECTIONS

CAUTION: AVOID CARCASS DAMAGE

1. Sterilise all injection apparatus by boiling for at least 20 minutes before use. Avoid use of strong disinfectants on apparatus. Cool equipment before use.
2. Maintain cleanliness at all times.
3. Keep needles sharp and clean. Replace frequently.
4. Use needles of appropriate length and gauge.
5. As far as possible avoid injection of animals during wet weather or under dusty conditions.
6. This product must be injected under the skin.
7. If possible inject high on the neck behind the ear.

358928 R2

General directions

BACKGROUND

Salmonellae are found occurring in all species of domestic and wild animals that have been investigated. Salmonellosis is the most common zoonosis and a major public health concern. The prevalence of salmonellosis in cattle has increased over recent years due to the adoption of more intensive, large scale farming methods including the use of factory prepared feed, overstocking and increased movement of livestock and their products. Salmonellosis in cattle is most commonly seen as acute enteritis. There is fever (40°C - 41°C) with severe watery diarrhoea and sometimes dysentery. The faeces are foul smelling with shreds of mucous membrane and even casts of intestinal mucosa. Dairy cows show a sudden drop or cessation of milk production. Dehydration increases and toxæmia develops eventually leading to the death of the animal. Sub-acute or chronic salmonellosis often follows on from acute attacks. The main sign is persistent diarrhoea leading to emaciation. Abortions are also caused by salmonella, most commonly of 6-8 months gestation. The cows may abort after an attack of acute or sub-acute enteritis. In the case of *Salmonella dublin* infections, abortion may occur without any other signs of illness.

PRODUCT SAFETY

Coopers Bovilis S has been shown to be safe when administered to cows at the recommended dosage. Each batch of vaccine has been tested before issue to ensure that it is sterile, potent and safe.

After natural challenge with *Salmonella*, vaccinated animals may develop mild disease but do not shed the organisms.

HERD MANAGEMENT

To get the best results from the use of Coopers Bovilis S, the following management techniques should be employed:

1. Calves should be fed colostrum from vaccinated dams mixed at a rate of 10%, diluted with milk replacer for up to 5 days after birth.
2. Maintain adequate levels of hygiene throughout the farm, and minimise stressful situations.
3. Good calf rearing practices are essential.

WITHHOLDING PERIODS

Zero (0) days.

TRADE ADVICE

EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

ADDITIONAL USER SAFETY INFORMATION

Take care to avoid self-injection. In the event of self-administration, seek medical attention if you are concerned. Show the package leaflet or label to the Medical Practitioner.

DISPOSAL

Dispose of empty container by wrapping with paper and putting in garbage.

STORAGE

Store between 2°C and 8°C (refrigerate, do not freeze.) Protect from light. **Discard if previously frozen. KEEP OUT OF REACH OF CHILDREN.**

Warranty

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