

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE (50 ml, 200 ml and 500 ml carton)**

**1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Panomec Injection for Cattle, Sheep and Pigs

**2. STATEMENT OF ACTIVE SUBSTANCES**

10 mg/ml ivermectin

**3. PACKAGE SIZE**

50 ml  
200 ml  
500 ml

**4. TARGET SPECIES**

Cattle, sheep and pigs.

**5. INDICATIONS**

For the treatment and control of internal and external parasites of cattle, sheep and pigs.

For full details see package leaflet.

**6. METHOD AND ROUTES OF ADMINISTRATION**

**Cattle:**

The veterinary medicinal product should be given to cattle only by subcutaneous injection in front of or behind the shoulder, at the recommended dose rate of 1 ml per 50 kg bodyweight. A sterile 17- gauge 1/2 inch needle is recommended.

**Sheep:**

The veterinary medicinal product should be given to sheep only by subcutaneous injection in the neck, at the recommended dose rate of 0.5 ml per 25 kg bodyweight. A sterile 17-gauge 1/2 inch needle is recommended. Although one injection controls internal parasites and may result in clinical improvement of sheep scab, two injections with a 7-day interval are required to eliminate all living *Psoroptes ovis* mites.

**Pigs:**

The veterinary medicinal product should be given to pigs only subcutaneously in the neck, at the recommended dosage level of 1 ml per 33 kg bodyweight. A sterile 17-gauge 1/2 inch needle is recommended.

When treating pigs and sheep of less than 16 kg, seek veterinary advice regarding the use of 1 ml disposable syringes graduated in increments of 0.1 ml.

When treating individual sheep, a syringe, not exceeding 2 ml and calibrated in increments of 0.1 ml, should be used.

When treating groups of animals use only an automatic dosing device (with vented draw-off apparatus when using the 50 ml vial).

## **7. WITHDRAWAL PERIODS**

Withdrawal periods:

**Cattle** (meat and offal): 49 days.

Milk: Do not use in lactating cattle producing milk for human consumption.

Do not use in non-lactating dairy cows including pregnant heifers within 60 days of calving.

**Sheep** (meat and offal): 37 days.

Milk: Do not use in lactating sheep producing milk for human consumption.

**Pigs** (meat and offal): 19 days.

## **8. EXPIRY DATE**

Exp. {mm/yyyy}

Once opened, use within 6 months.

## **9. SPECIAL STORAGE PRECAUTIONS**

Store below 30 °C.

Protect from direct sunlight.

## **10. THE WORDS “READ THE PACKAGE LEAFLET BEFORE USE”**

Read the package leaflet before use.

## **11. THE WORDS “FOR ANIMAL TREATMENT ONLY”**

For animal treatment only.

## **12. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”**

Keep out of the sight and reach of children.

## **13. NAME OF THE MARKETING AUTHORISATION HOLDER**

Boehringer Ingelheim Vetmedica GmbH

## **14. MARKETING AUTHORISATION NUMBERS**

Vm 61700/5004

Vm 61700/3004

## **15. BATCH NUMBER**

Lot {number}

**PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE (50 ml label)**

**1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Panomec Injection for Cattle, Sheep and Pigs

**2. STATEMENT OF ACTIVE SUBSTANCES**

10 mg/ml ivermectin

**3. TARGET SPECIES**

Cattle, sheep and pigs.

**4. ROUTES OF ADMINISTRATION**

Read the package leaflet before use.

**5. WITHDRAWAL PERIODS**

Withdrawal periods:

Cattle (meat and offal): 49 days.

Milk: Do not use in lactating cows producing milk for human consumption.

Do not use in non-lactating dairy cows including pregnant heifers within 60 days of calving.

Sheep (meat and offal): 37 days.

Milk: Do not use in lactating sheep producing milk for human consumption.

Pigs (meat and offal): 19 days.

**6. EXPIRY DATE**

Exp. {mm/yyyy}

Once opened, use within 6 months.

**7. SPECIAL STORAGE PRECAUTIONS**

Store below 30 °C.

Protect from direct sunlight.

**8. NAME OF THE MARKETING AUTHORISATION HOLDER**

Boehringer Ingelheim Vetmedica GmbH

**9. BATCH NUMBER**

Lot {number}

**PARTICULARS TO APPEAR ON THE PACKAGE LEAFLET:**

**1. Name of the veterinary medicinal product**

Panomec Injection for Cattle, Sheep and Pigs

**2. Composition**

Each ml contains:

**Active substance:**

10 mg ivermectin.

A clear, pale, straw-coloured liquid.

**3. Target species**

Cattle, sheep and pigs.

**4. Indication for use**

The veterinary medicinal product is indicated for the effective treatment and control of the following parasites of cattle, sheep and pigs:

**CATTLE**

<b>PARASITE</b>	<b>Adultt</b>	<b>L<sub>4</sub></b>	<b>Inhibited L<sub>4</sub></b>
<b>Gastrointestinal roundworms</b>			
<i>Ostertagia lyrata</i>		•	•
<i>Ostertagia ostertagi</i>	•	•	•
<i>Cooperia oncophora</i>	•	•	
<i>Cooperia pectinata</i>	•	•	
<i>Cooperia punctata</i>	•	•	
<i>Haemonchus placei</i>	•	•	
<i>Trichostrongylus axei</i>	•	•	
<i>Trichostrongylus colubriformis</i>	•	•	
<i>Bunostomum phlebotomum</i>	•	•	
<i>Oesophagostomum radiatum</i>	•	•	
<i>Strongyloides papillosus</i>	•		
<i>Nematodirus helvetianus</i>	•		
<i>Nematodirus spathiger</i>	•		
<i>Trichuris</i> spp.	•		
<b>Lungworms</b>			
<i>Dictyocaulus viviparus</i>	•	•	
<b>Eye worms</b>			
<i>Thelazia</i> spp.	•		
<b>Warbles</b>			
<i>Hypoderma bovis</i>			
<i>H. lineatum</i>			

**Mange mites**

*Psoroptes bovis*

*Sarcoptes scabiei* var. *bovis*

**Sucking lice**

*Linognathus vituli*

*Haematopinus eurysternus*

*Solenopotes capillatus*

The veterinary medicinal product may also be used as an aid in the control of biting lice (*Damalinia bovis*) and the mange mite (*Chorioptes bovis*), but complete elimination may not occur.

**Persistent activity**

When cattle have to graze on pasture contaminated with infective larvae of cattle nematodes, treatment with the veterinary medicinal product at the recommended dosage of 0.2 mg per kg bodyweight controls re-infection with:

Parasite	No. of Days After Treatment
Barbers pole worm - <i>Haemonchus placei</i>	14
Small intestinal worm - <i>Cooperia</i> spp.	14
Hairworm - <i>Trichostrongylus axei</i>	14
Brown stomach worm - <i>Ostertagia ostertagi</i>	21
Nodular worm - <i>Oesophagostomum radiatum</i>	21
Lungworm - <i>Dictyocaulus viviparus</i>	28

The timing of treatment should be based on epidemiological factors and should be customised for each individual farm. A dosing program should be established by a qualified professional person.

**SHEEP**

PARASITE	Adult	L <sub>4</sub>	Inhibited L <sub>4</sub>
<b>Gastrointestinal roundworms</b>			
<i>Ostertagia circumcincta</i>	•	•	•
<i>O. trifurcata</i>	•	•	
<i>Haemonchus contortus</i>	•	•	•
<i>Trichostrongylus axei</i>	•		
<i>T. colubriformis</i>	•	•	
<i>T. vitrinus</i>	•		
<i>Cooperia curticei</i>	•	•	
<i>Oesophagostomum columbianum</i>	•	•	
<i>O. venulosum</i>	•		
<i>Nematodirus filicollis</i>	•	•	
<i>Chabertia ovina</i>	•	•	
<i>Trichuris ovis</i>	•		
<b>Lungworms</b>			
<i>Dictyocaulus filaria</i>	•	•	
<i>Protostrongylus rufescens</i>	•		

**Nasal bots**

*Oestrus ovis*

**Mange mites**

*Psoroptes ovis*\*

\* For the treatment and control of sheep scab, two injections with a 7-day interval are required to treat clinical signs of scab and to eliminate living mites.

**PIGS**

PARASITE	Adultt	L <sub>4</sub>
<b>Gastrointestinal roundworms</b>		
<i>Ascaris suum</i>	•	•
<i>Hyostrongylus rubidus</i>	•	•
<i>Oesophagostomum</i> spp.	•	•
<i>Strongyloides ransomi</i> **	•	
<b>Lungworms</b>		
<i>Metastrongylus</i> spp.	•	
<b>Lice</b>		
<i>Haematopinus suis</i>		
<b>Mange mites</b>		
<i>Sarcoptes scabiei</i> var. <i>suis</i>		

\*\*Includes somatic larval stages.

**5. Contraindications**

This veterinary medical product is not for intramuscular or intravenous use. Do not use in cases of hypersensitivity to the active substance or any of the excipients.

**6. Special warnings**

Special warnings:

In sheep, treatment of psoroptic mange (sheep scab) with one injection is not recommended because, although a clinical improvement may be seen, elimination of all mites may not occur. Sheep scab (*Psoroptes ovis*) is an extremely contagious external parasite of sheep. Following treatment of infected sheep, great care must be taken to avoid re- infestation, as mites may be viable for up to 15 days off the sheep. It is important to ensure all sheep which have been in contact with infected sheep are treated. Contact between treated infected and non-treated, non-infected flocks must be avoided until at least 7 days after the last treatment.

Care should be taken to avoid the following practices because they increase the risk of development of resistance and could ultimately result in ineffective therapy:

- too frequent and repeated use of anthelmintics from the same class, over an extended period of time.
- underdosing, which may be due to underestimation of bodyweight, misadministration of the product, or lack of calibration of the dosing device.

Suspected clinical cases of resistance to anthelmintics should be further investigated using appropriate tests (e.g. Faecal Egg Count Reduction Test). Where the results of the test(s) strongly suggest resistance to a particular anthelmintic, an anthelmintic belonging to another pharmacological class and having a different mode of action should be used.

Resistance to macrocyclic lactones (which includes ivermectin) has been reported in *Teladorsagia* spp. in sheep and in *Cooperia* spp. in cattle within the EU. Therefore, the use of this product should be based on local (regional, farm) epidemiological information about susceptibility of nematodes and recommendations on how to limit further selection for resistance to anthelmintics.

Special precautions for safe use in the target species:

This veterinary medicinal product has been formulated specifically for use in these target species. It should not be used in other species as severe adverse reactions, including fatalities in dogs, may occur.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

Do not smoke, eat or drink while handling the veterinary medicinal product.

Wash hands after use.

Take care to avoid self-injection as the veterinary medicinal product may cause local irritation and/or pain at the site of injection. In case of accidental self-injection, seek medical advice and show the label or package leaflet to the physician.

Pregnancy and lactation:

The veterinary medical product can be administered to beef cows and ewes at any stage of pregnancy or lactation provided that the milk is not intended for human consumption, and to sows at any stage of pregnancy or lactation.

The veterinary medical product will not affect the fertility of cows, bulls, breeding ewes, rams, sows and boars. The veterinary medicinal product can be given to all ages of animals including young calves, lambs and piglets.

Interaction with other medicinal products and other forms of interaction:

The veterinary medical product has been used concurrently without adverse effects with foot and mouth disease vaccine or clostridial vaccine, given at separate injection sites.

Adequate vaccination of sheep against clostridial infections is strongly recommended.

Overdose:

**Cattle**

Single doses of 4 mg ivermectin per kg (20x the recommended use level) given subcutaneously resulted in ataxia and depression.

**Sheep**

At dose levels up to 4 mg ivermectin per kg (20x the recommended use level) given subcutaneously resulted in ataxia and depression.

No antidote has been identified; however, symptomatic therapy may be beneficial.

Major incompatibilities:

None known.

**7. Adverse events**

Cattle:

Rare (1 to 10 animals / 10,000 animals treated):	Injection site swelling (soft tissue) <sup>1</sup>
Very rare(<1 animal / 10,000 animals treated, including isolated reports):	Discomfort <sup>2</sup>

<sup>1</sup> disappear without treatment

<sup>2</sup> transient after subcutaneous administration

Sheep:

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Pain <sup>1</sup>
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<sup>1</sup> sometimes intense but usually transient, disappear without treatment.

Pigs:

Very rare: (<1 animal / 10,000 animals treated, including isolated reports):	Pain <sup>1</sup>
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<sup>1</sup> mild and transient; but disappears without treatment

Reporting adverse events is important. It allows continuous safety monitoring of a product. If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian. You can also report any adverse events to the marketing authorisation holder using the contact details at the end of this leaflet, or via your national reporting system:

Website: <https://www.gov.uk/report-veterinary-medicine-problem/animal-reacts-medicine>

e-mail: [adverse.events@vmd.gov.uk](mailto:adverse.events@vmd.gov.uk)

**8. Dosage for each species, routes and method of administration**

**Cattle:** 1 ml per 50 kg bodyweight.

**Sheep:** 0.5 ml per 25 kg bodyweight.

For the treatment and control of sheep scab, two injections with a 7 day interval are required to treat clinical signs of scab and to eliminate mites.

**Pigs:** 1 ml per 33 kg of bodyweight.

For cattle and sheep, the veterinary medicinal product should be given only by subcutaneous injection at the recommended dosage level of 200 mcg ivermectin per kg bodyweight under the loose skin in front of, or behind, the shoulder in cattle and in sheep.

For pigs, the veterinary medicinal product should be given only subcutaneously in the neck in pigs at the recommended dosage level of 300 mcg ivermectin per kg of bodyweight.

Each ml contains 10 mg of ivermectin sufficient to treat 50 kg of bodyweight of cattle and sheep and 33 kg of bodyweight of pigs.

The injection may be given with any standard automatic, multiple-dose or single-dose hypodermic syringe. Use of a 17-gauge ½ inch needle is suggested. Injection of wet or dirty animals is not recommended.

When treating groups of animals use only an automatic dosing device (with vented draw-off apparatus when using the 50 ml vial). If using a multiple-dose or single-dose hypodermic syringe, use a separate dry sterile draw-off needle that has been placed in the vial stopper. Vial stoppers must not be breached more than 20 times.

Use this chart as a guide in working out the appropriate dose rate:

Cattle (1 ml/50 kg)		Sheep (0.5 ml/25 kg)		Pigs (1 ml/33 kg)	
Bodyweight (kg)	Dose Volume (ml)	Bodyweight (kg)	Dose Volume (ml)	Bodyweight (kg)	Dose Volume (ml)
Up to 50	1.0	Up to 5	0.1	Less than 4	0.1
51 – 100	2.0	5.1 – 10	0.2	5 – 7	0.2
101 – 150	3.0	10.1 – 15	0.3	8 – 10	0.3
151 – 200	4.0	15.1 – 25	0.5	11 – 13	0.4
201 – 250	5.0	25.1 – 50	1.0	14 – 16	0.5
251 – 300	6.0	50.1 – 75	1.5	17 – 33	1.0
301 – 350	7.0	75.1 – 100	2.0	34 – 50	1.5
351 - 400	8.0			51 – 66	2.0
				67 – 99	3.0
				100 – 133	4.0
				134 – 166	5.0
				167 – 200	6.0
For cattle weighing over 400 kg calculate the dose at the rate of 1 ml per 50 kg bodyweight		For sheep weighing over 100 kg calculate the dose at the rate of 0.5 ml per 25 kg bodyweight		For pigs weighing over 200 kg calculate the dose at the rate of 1 ml per 33 kg bodyweight	

## **9. Advice on correct administration**

To ensure administration of a correct dose, bodyweight should be determined as accurately as possible; accuracy of the dosing device should be checked.

When treating pigs and sheep of less than 16 kg, seek veterinary advice regarding the use of 1 ml disposable syringes graduated in increments of 0.1 ml. When treating individual sheep, a syringe, not exceeding 2 ml and calibrated in increments of 0.1 ml, should be used.

## **10. Withdrawal periods**

**Cattle** (meat and offal): 49 days.

Milk: Do not use in lactating cows producing milk for human consumption. Do not use in non-lactating dairy cows including pregnant heifers within 60 days of calving.

**Sheep** (meat and offal): 37 days.

Milk: Do not use in lactating sheep producing milk for human consumption.

**Pigs** (meat and offal): 19 days.

## **11. Special storage precautions**

Keep out of the sight and reach of children.

Store below 30 °C.

Protect from direct sunlight.

Following withdrawal of the first dose, use the product within 6 months

Do not use this veterinary medicinal product after the expiry date which is stated on the label after Exp. The expiry date refers to the last day of that month.

## **12. Special precautions for disposal**

Medicines should not be disposed of via wastewater.

This veterinary medicinal product should not enter water courses as ivermectin may be dangerous for fish and other aquatic organisms.

Do not contaminate surface waters or ditches with product or used container.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste material derived thereof in accordance with local requirements and with any applicable national collection systems. These measures should help protect the environment.

## **13. Classification of veterinary medicinal products**

Veterinary medicinal product subject to prescription.

#### **14. Marketing authorisation numbers and pack sizes**

Vm 61700/5004

Vm 61700/3004

Multiple-dose rubber-capped polyethylene bottles of 50 ml, 200 ml and 500 ml containing a sterile non-aqueous solution for parenteral administration. Bottles are stoppered and then either sealed by heat or crimp-sealed with an aluminium cap.

Not all pack sizes may be marketed.

#### **15. PID LINK (Do not print heading)**

*[The following statement must be included where reference to the European Union Product Database is included on the product information. This statement is relevant to both UK(GB) and UK(NI) products:]*

Find more product information by searching for the 'Product Information Database' on [www.gov.uk](http://www.gov.uk).

#### **16. Contact details**

Marketing authorisation holder and contact details to report suspected adverse reactions:

Boehringer Ingelheim Vetmedica GmbH  
Binger Strasse 173  
55216 Ingelheim am Rhein  
Germany  
+353 1 291 3985

Manufacturer responsible for batch release:

Boehringer Ingelheim Animal Health France SCS  
4 Chemin du Calquet  
31000 Toulouse  
France

#### **17. Other information**

POM-VPS

*Gavin Hall*  
Approved: 25 March 2026