

**SYNOVEX S- progesterone and estradiol benzoate implant**  
**Zoetis Inc.**

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**Synovex S (progesterone and estradiol benzoate)**

200 mg progesterone and 20 mg estradiol benzoate per implant

STEER IMPLANTS For Increased Rate

of Weight Gain

and Improved

Feed Efficiency

NADA 9-576, Approved by FDA

Synovex S (progesterone and estradiol benzoate) is recommended for use in steers weighing 400 lbs or more. When properly administered, Synovex S implants increase rate of weight gain and improve feed efficiency. Do not use in veal calves. Effectiveness and animal safety in veal calves have not been established.

Store at controlled room temperature 20°-25°C (68°- 77°F) with excursions between 15°-30°C (59°- 86°F). Avoid excessive heat or humidity.

**Indications for Use**

STEER IMPLANTS For Increased Rate of Weight Gain and Improved Feed Efficiency For additional improvement in rate of weight gain in steers fed in confinement for slaughter, reimplant at approximately 70 days.

**NOTE:** Studies have demonstrated that reimplantation of Synovex S can decrease marbling scores when compared to non-implanted controls.

This product was manufactured by a nonsterilizing process.

Do Not Use In Veal Calves

Not For Use In Humans

For Animal Use Only

**Dosage**

Implant complete contents of one cartridge cell per steer. Approved implantation technique is fully described in the package insert.

**Warning**

Not for use in humans. For animal use only. Implant pellets in the ear only. Any other location is in violation of federal law. Do not attempt salvage of implanted site for human or animal food. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

**HAZARDOUS:** Keep this and all drugs out of the reach of children.

## Caution

Bulling, rectal prolapse, ventral edema and elevated tailheads have occasionally been reported in steers administered with Synovex S implants.

Keep this and all drugs out of the reach of children.

Restricted Drug (California)—

Use Only as Directed.

## Directions

Implant complete contents of one cartridge cell per steer. Approved implantation technique is fully described in the package insert.

**NOTE:** Never sacrifice careful, clean technique for speed of implantation.

<p><b>HOW TO IMPLANT WITH SYNOVEX® S</b> (progesterone and estradiol benzoate) 200 mg progesterone and 20 mg estradiol benzoate per implant</p> <p><b>PELLETS</b></p> <p>Study the following instructions carefully, then proceed step by step, until the technique becomes routine. Many heads can be implanted per hour by an experienced team, one member of which should be assigned to do nothing but the implantation. This person should maintain hand cleanliness and use sanitary instruments only.</p> <p><b>HOW SUPPLIED</b></p> <p>100 Dose</p> <p>- 2 -</p>	<p><b>SYNOVEX® S</b> (progesterone and estradiol benzoate) 200 mg progesterone and 20 mg estradiol benzoate per implant</p> <p><b>PELLETS</b></p> <p>Synovex S (progesterone and estradiol benzoate) is recommended for use in steers weighing 400 lbs or more. When properly administered, Synovex S implants increase rate of weight gain and improve feed efficiency. Do not use in veal calves. Effectiveness and animal safety in veal calves have not been established.</p> <p>Store at controlled room temperature 20°-25°C (68°-77°F) with excursions between 15°-30°C (59°-86°F). Avoid excessive heat or humidity.</p> <p><b>WARNING</b></p> <p>Not for use in humans. For animal use only. Implant pellets in the ear only. Any other location is in violation of Federal law. Do not attempt salvages of implanted sites for human or animal food.</p> <p>A withdrawal period has not been established for the product in pre-ruminating calves. Do not use in calves to be processed for veal.</p> <p><b>CAUTION</b></p> <p>Bulling, rectal prolapse, ventral edema and elevated tailheads have been occasionally reported in steers administered with Synovex S implants.</p> <p>Keep this and all drugs out of the reach of children.</p> <p>Restricted Drug (California)— Use Only as Directed.</p> <p>- 3 -</p>	<p><b>SYNOVEX® Gun</b></p> <p>- 4 -</p>	<p><b>STEP 1 Loading The SYNOVEX Gun</b></p> <p>Load the Synovex gun following the directions outlined in the instruction manual accompanying each Synovex gun.</p> <p><b>STEP 2 Restraint</b></p> <p>The animal must be confined in a restraint mechanism (squeeze chute or head gate). The implant site on the back of the ear should be prepared by scrubbing with a firm bristled brush that has been soaked in a germicidal solution.</p> <p><b>Note:</b> If implanting horned cattle, greater safety is provided when the head is controlled by the use of a bull head (nose tong).</p> <p>- 5 -</p>	<p><b>STEP 3 Implant Site</b></p> <p>Divide the ear into three imaginary sections as illustrated. The implanted pellets should be deposited in the center one-third of the ear as shown. To accomplish this, the Synovex gun needle should be inserted in the outer one-third of the ear as in the illustration. Implanting too close to the head may cause abnormal sexual behavior. Care should be taken to avoid severing the major arteries of the ear.</p> <p><b>STEP 4 Insert Needle</b></p> <p>Grasp the ear with one hand. Holding the Synovex gun firmly with the other hand, penetrate the skin at the point shown by the "X". Thrust the needle under the skin taking care not to penetrate the cartilage. Ease the Synovex gun forward toward the base of the ear until the full needle length is beneath the skin.</p> <p>- 6 -</p>	<p><b>STEP 5 Pellet Implantation</b></p> <p>When the needle is completely retracted, withdraw the needle approximately one-half inch. Then with continuous gentle pressure on the trigger, expel the pellets while continuing to slowly withdraw the needle. This technique allows the pellets to be deposited in a straight line in the path of the needle.</p> <p><b>STEP 6 Inspection</b></p> <p>Check the implant site. If properly administered, the implants should lie in a straight line under the skin. Rotate the implant clip to the next dose. Disinfect the Synovex gun needle in a germicidal solution. You are now ready to implant the next animal.</p> <p>- 7 -</p>	
FRONT SIDE						
<p><b>SYNOVEX® SX10 Gun</b></p> <p>- 8 -</p>	<p><b>STEP 1 Loading the SX10 Gun</b></p> <p>Load the SX10 gun following the directions outlined in the instruction manual accompanying each SX10 gun.</p> <p><b>STEP 2 Restraint</b></p> <p>The animal must be confined in a restraint mechanism (squeeze chute or head gate). The implant site on the back of the ear should be prepared by scrubbing with a firm bristled brush that has been soaked in a germicidal solution.</p> <p><b>Note:</b> If implanting horned cattle, greater safety is provided when the head is controlled by the use of a bull head (nose tong).</p> <p>- 9 -</p>	<p><b>STEP 3 Implant Site</b></p> <p>Divide the ear into three imaginary sections as illustrated. The implanted pellets should be deposited in the center one-third of the ear as shown. To accomplish this, the SX10 gun needle should be inserted in the outer one-third of the ear as indicated by the "X" in the illustration. Implanting too close to the head may cause abnormal sexual behavior. Care should be taken to avoid severing the major arteries of the ear.</p> <p><b>STEP 4 Insert Needle</b></p> <p>Grasp the ear with one hand. While holding the SX10 gun firmly with the other hand, penetrate the skin at the point shown by the "X". Thrust the needle under the skin taking care not to penetrate the cartilage. Ease the SX10 gun forward (toward the base of the ear) until the full needle length is beneath the skin.</p> <p>- 10 -</p>	<p><b>STEP 5 Pellet Implantation</b></p> <p>When the needle is completely inserted, activate the instrument by squeezing the trigger completely. Do not withdraw the needle, but allow the automatic needle retractor to release the pellets. This will allow the pellets to be deposited in a straight line in the path of the retracted needle.</p> <p><b>STEP 6 Inspection</b></p> <p>Check the implant site. If properly administered, the implants should lie in a straight line under the skin. Re-cock the gun by grasping the barrel with your left hand and bring the locking bolt with your right hand. Fully retract the bolt to the rear of the device. Then, return the bolt forward to its locked position. Disinfect the SX10 gun needle in a germicidal solution. The SX10 gun is now ready to implant the next animal.</p> <p>Distributed by: Zoetis Inc. Kalamazoo, MI 49007 14050700 - 11 - 8062H</p>	<p><b>SYNOVEX®</b> (progesterone and estradiol benzoate)</p> <p>200 mg progesterone and 20 mg estradiol benzoate per implant</p> <p><b>STEER IMPLANTS</b></p> <p>For Increased Rate of Weight Gain and Improved Feed Efficiency</p> <p>For additional improvement in rate of weight gain in steers fed in confinement for slaughter, implant at approximately 70 days.</p> <p><b>NOTE:</b> Studies have demonstrated that reimplantation of Synovex S can decrease marbling scores when compared to non-implanted controls.</p> <p>This product was manufactured by a non-sterilizing process. Do Not Use in Veal Calves Not For Use in Humans For Animal Use Only</p> <p><b>zoetis</b></p> <p>NADA 9-076, Approved by FDA</p>		

## Storage

Store at controlled room temperature 20°-25°C (68°- 77°F) with excursions between 15°-30°C (59°- 86°F). Avoid excessive heat or humidity.

Distributed by:

Zoetis Inc.

Kalamazoo, MI 49007

NET CONTENTS: 10 CARTRIDGES (100 DOSES) Each Cartridge Contains 10 Rows of 8 Pellets.

**PRINCIPAL DISPLAY PANEL - 10 Cartridge Implant Pouch**

STEER IMPLANTS For increased rate of weight gain and improved feed efficiency

**SYNOVEX S**

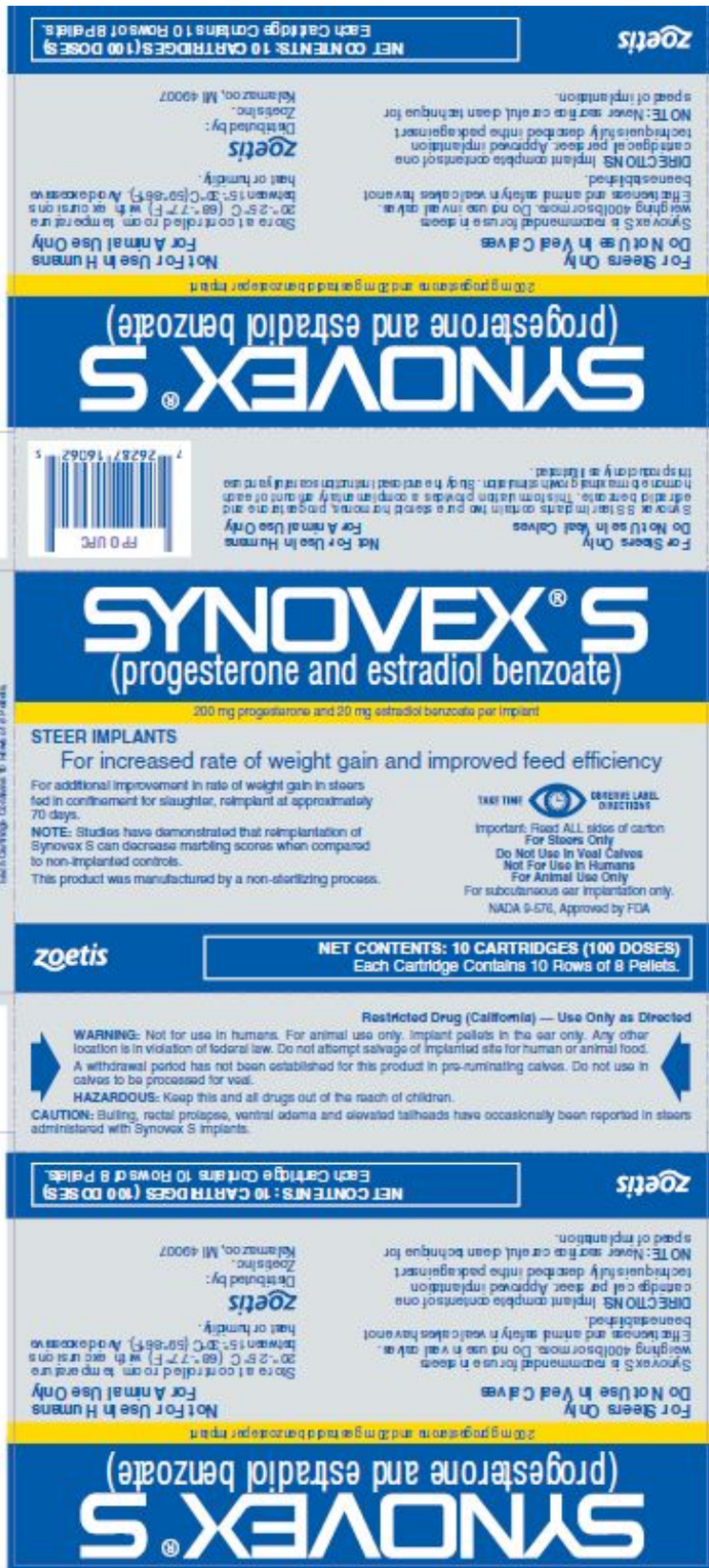
(progesterone and estradiol benzoate)

200 mg progesterone and 20 mg estradiol benzoate per implant

*zoetis*

NET CONTENTS: 10 CARTRIDGES (100 DOSES)

Each Cartridge Contains 10 Rows of 8 Pellets.



## SYNOVEX S

progesterone and estradiol benzoate implant

### Product Information

Product Type

OTC ANIMAL DRUG

Item Code (Source)

NDC:54771-3902

<b>Route of Administration</b>	SUBCUTANEOUS
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**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
PROGESTERONE (UNII: 4G7DS2Q64Y) (PROGESTERONE - UNII:4G7DS2Q64Y)	PROGESTERONE	200 mg
ESTRADIOL BENZOATE (UNII: 1S4CJB5ZGN) (ESTRADIOL - UNII:4T198Z838E)	ESTRADIOL BENZOATE	20 mg

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:54771-3902-1	10 in 1 BOX		
1		10 in 1 CARTRIDGE		

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA009576	11/07/2014	

**Labeler** - Zoetis Inc. (828851555)