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# Good Production Practices: Reading and Understanding a Medication Label

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**Purpose:** To teach youth how to read a medication label so they are better able to understand how to store and administer medications to different livestock species.\*

### **Materials Needed**

- One copy of the worksheet for each youth or small group of youth.
- One copy of the Micotil label per 1-2 youth.

# **Steps**

1. Have youth complete the activity worksheet individually or in small groups using the Micotil label provided.

# **Remembering What Is Important**

Labels on medications are crucial for making sure that medications are properly stored to guarantee maximum effectiveness and for ensuring that they are given in the proper locations and amounts in order to effectively help the animal. In addition, labels help to ensure that medications are not given to a species they are not approved for.

Go through some of the questions with the youth, asking thought-provoking follow-up questions to help them understand why following label instructions is so important. Questions might include the following:

- What might happen if you give your animal too much medication? Not enough?
- What could happen if the medication is stored at a temperature that is too high?
- What could occur if the withdrawal time listed on the label is not followed?
- What might happen if you administer the medication to a species it is not approved for?
- What could happen if you administer the medication in a location not listed on the label?

\*This activity has been developed to supplement the information that can be found in the National Pork Board Good Production Practice No. 6: Properly store, label, and account for all drugs and medicated feeds.

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# Reading and Understanding a Medication Label

Using the medication label and insert below, answer the following questions.

1. What is the name of this medication?

2. What is the slaughter withdrawal time on this medication?

3. What animals can this medication be used on?

4. What occurs if this medication is given to swine?

5. What is the recommended dosage for a 500-pound steer?

6. How should this medication be stored?\_\_\_\_\_

7. How should this medication be given?

8. Can an automatically powered syringe be used to administer this medication?

# **Dosage Calculation**

Using the medication label and insert below, determine the dose that should be given to a 150-pound ewe.

#### **Medication Label**

## Micotil® (tilmicosin injection) Dose and **Administration Information**



12.00

18.00

Indications: Micotil® is indicated for the treatment of bovine respiratory disease (BRD) associated with Mannheimia haemolylica, Pasteurella multocida and Histophilus sommi and for the control of respiratory disease in cattle at high risk of developing BRD associated with Mannheimia haemolytica.

Dosage and administration: Inject subcutaneously only. In cattle, administer a single subcutaneous dose of 10 to 20 mg/kg of body weight (1 to 2 mL/30 kg or 1.5 to 3 mL per 100 lbs). Do not inject more than 10 mL per injection site.

Micotil dosage chart

400

600

### Proper Micotil handling procedures

- Storage of Micotil in a secu of misuse is recommended ure location to prevent the risk
- of misuse is recommended Recommended storage includes a lockable cabinet or container or a secure storage room, depending on the amount of product in inventory Keep full or emply Micotal bottles, used syringes and needles out of the reach of children and the general pul Read, understand and follow all balle use directions For subcutaneous use; do not use in automatically rowged stringed.
- powered syringes Use a 1/2" to 5/8" 18- to 16-gauge needle
- Keep a protective cover on needles until ready to use Never carry loaded syringes in pocket or clothing
- Proper Micotil administration procedures

  Properly restrain animal prior to administering Mic
- Properly restrain animal prior to administering Micotil

  With a single hand on the syringe, insert the needle subcutaneously, at a top-down angle, while avoiding penetration of underlying muscle
- will admission appetition of underlying most 1. To 3 mL of Microtil per 100 lbs of body weight Admission as proper disposal or in earlies, syrings and used bottles Ensure proper disposal or leadles, syrings as, dut used bottles It syrings is broken or damaged in any way, discontinue use immediately Exercises colution and care when the proving need to make you are services so fulficial and care when the proving need in safe handling and use procedures And the province of the province



9.00

# What to do in case of self-injection







6.00

9.00

- See label on back for complete use information, including boxed human warnings and non-target species safety information See user uses for unexpective users of the control of the control

- Consult your veterinarian on the safe handling and use of all injectable products prior to administration. Micotil has a pre-slaughter withdrawal time of 42 days.

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7. Subcutaneously

qırect sunlıght 6. Below 86 degrees Farenheit; avoid

Jm 61-6.7.8

has shown to be tatal 4. Injection of this antibiotic in swine

consumption ewes broducing milk for human age or older; not for use in lactating isciating dairy cattle 20 months of 3. Cattle and sheep; not for use in

2. 42 days until slaughter

1. Micotil 300 Injection or Micotil

Answer Key to Questions

