



# WYOMING 4-H LIVESTOCK SKILL-A-THON TEAM PRACTICUM

## Medication Injection Practicum (50 Points Total)

Scenario: You run a small family farm raising a flock of 30 Hampshire ewes and lambs. While you are out feeding for the night, you notice four of your sheep have diarrhea and seem to be extremely stiff and are limping. You recognize this to be White Muscle Disease. Of the affected sheep, one is pregnant and one is a market lamb headed to slaughter in 30 days. The only appropriate medication you have on hand is Bo-Se, but you have enough needles and syringes to administer to the affected sheep immediately.

- Sheep 1      Pregnant With Lambs, weighs 165 lbs.
- Sheep 2      Market Lamb heading to slaughter in 30 days, weighs 180 lbs.
- Sheep 3      Open and dry ewe, weighs 150 lbs.
- Sheep 4      Ram, weighs 230 lbs.

Read the given label for Bo-Se and determine a treatment plan for your affected sheep. Using the Bo-Se label, calculate the correct dosage for each sheep's weight and if the medication should be given subcutaneous, intramuscular, or intravenous. Write out your treatment plan in the "Animal Record". Once you have determined a treatment plan, draw out the appropriate dosage of Bo- Se to give to each sheep. Each member of your team will dose one sheep.

Criteria	Points Possible	Points Earned
Team works together (with equal effort) to determine treatment plan.	10	
Determines an appropriate treatment plan for each sheep, including calculating the appropriate amount of medication for each sheep. Note this treatment plan in the "Animal Record".	10	
Clean top of bottle with an alcohol wipe. Insert the appropriate air to the bottle of Bo-Se before drawing out the correct amount into the syringe. Remove air from syringe and inject orange intramuscularly (at a 90-degree angle).	20	
Correctly recap and remove needle from syringe, then place in sharps container after use.	10	
<b>Total</b>	<b>50</b>	