

# 2024-2025 OCA BEST STOCKMANSHIP CONTEST

## Stockmanship Cattlemen's Challenge Contest

### Resources

General Resource for All Materials:

- 4-H Beef Project Resource Book

Station 1: Meat Science

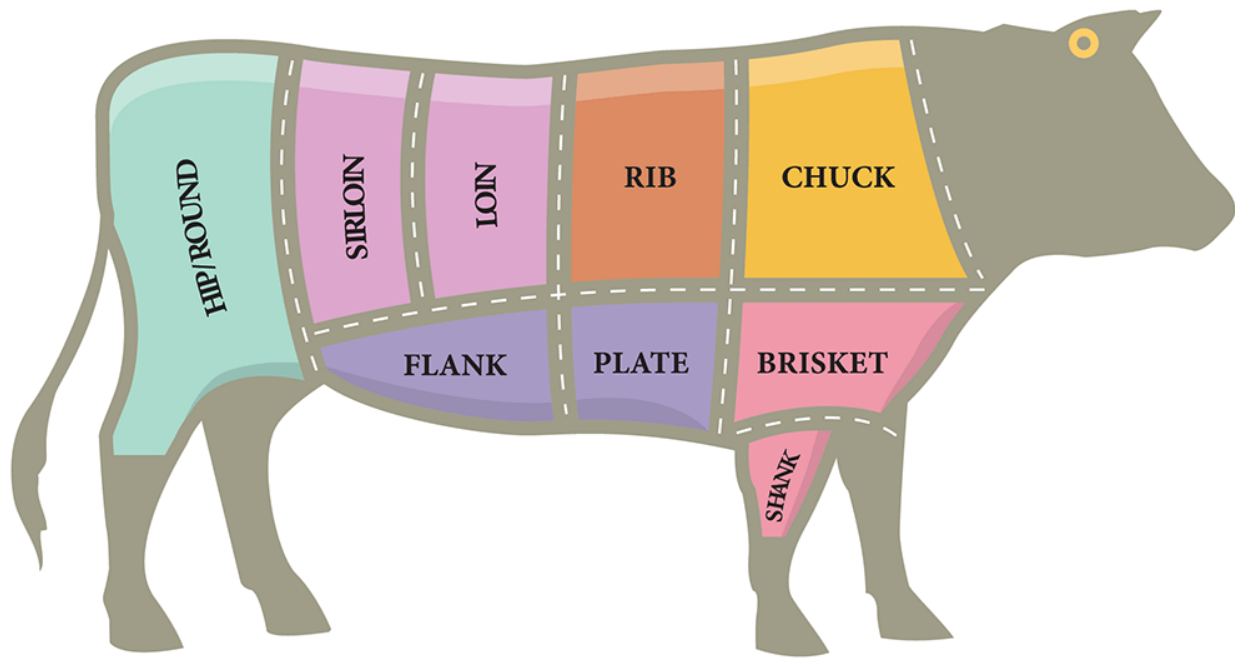


Figure 1: <https://zegauses.com/the-9-primal-cuts-of-meat/>

Additional Resources:

- [https://Animal.Ifas.Ufl.Edu/Media/Animalifasufledu/Animal-Sciences-Website/Extension/Youth/Meat-Resources/Identifying\\_Retail\\_Cuts.Pdf](https://Animal.Ifas.Ufl.Edu/Media/Animalifasufledu/Animal-Sciences-Website/Extension/Youth/Meat-Resources/Identifying_Retail_Cuts.Pdf)
- <https://www.ams.usda.gov/grades-standards/carcass-beef-grades-and-standards>

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### Resources

#### Station 2: Reproduction

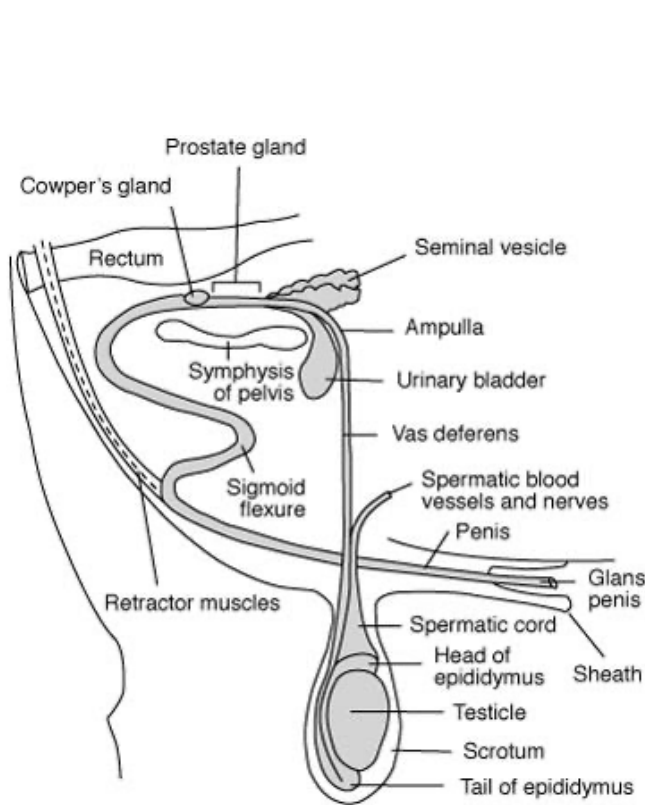


Figure 2: <https://Extension.Missouri.Edu/Publications/G2016>

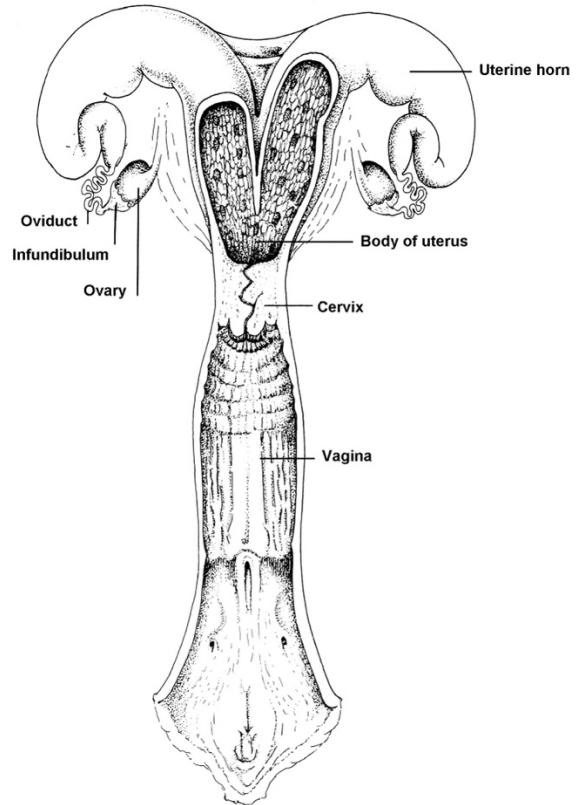


Figure 3: <https://Repro360.Com.Au/Reproductivetechnologies/Physiologyofreproduction>

#### Additional Resources:

- <https://Repro360.Com.Au/Reproductivetechnologies/Physiologyofreproduction>
- <https://Extension.Missouri.Edu/Publications/G2016>

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### Resources

#### Station 3: Medication & Treatment

**1 → OMNIBIOTIC**  
(Hydrocillin in Aqueous Suspension) ← **2**

For use in Beef Cattle, Lactating, and Non-Lactating Dairy Cattle, Swine, and Sheep ← **3**

*Read Entire Brochure Carefully Before Using This Product*

**Active Ingredients:** Omnibiotic is an effective antimicrobial preparation containing hydrocillin hydrochloride. Each ml of this suspension contains 200,000 units of hydrochloride in an aqueous base.

**4** **Indications:** Cattle—bronchitis, foot rot, leptospirosis, mastitis, metritis, pneumonia, wound infections. Swine—erysipelas, pneumonia. Sheep—foot rot, pneumonia, mastitis, and other infections in these species caused by or associated with hydrocillin-susceptible organisms.

**Recommended Daily Dosage**  
The usual dose is 2 ml per 100 lb. of body weight given once daily.  
Maximum dose is 15 ml/day.

<b>5</b>	<b>Body Weight</b>	<b>Dosage</b>
	100 lb.	2 ml
	300 lb.	6 ml
	500 lb.	10 ml
	750 lb.	15 ml

*Continue treatment for 1 to 2 days after symptoms disappear.*

**6** **Caution:** (1) Omnibiotic should be injected deep within the fleshy muscle of the neck. Do not inject this material in the hip or rump, subcutaneously, into a blood vessel, or near a major nerve because it may cause tissue damage. (2) If improvement does not occur within 48 hours, the diagnosis should be reconsidered and appropriate treatment initiated. (3) Treated animals should be closely observed for at least 30 minutes. Should a reaction occur, discontinue treatment and immediately administer epinephrine and antihistamines. (4) Omnibiotic must be stored between 2° and 8°C (36° and 46°F). Warm to room temperature and shake well before using. Keep refrigerated when not in use. **7**

**8** **Warning:** Milk that has been taken from animals during treatment and for 48 hours (4 milkings) after the last treatment must not be used for food. The use of this drug must be discontinued for 30 days before treated animals are slaughtered for food. **9**

**10** **How Supplied:** Omnibiotic is available in vials of 100 ml.

Figure 4: Beef PRB

#### Additional Resources:

- <https://vetmed.tamu.edu/peer/wp-content/uploads/sites/72/2020/04/Injection-Fact-Sheet.pdf>
- <https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=9922e056-dcb0-46fd-bb56-9863bb0a189e>

**2024-2025 OCA BEST STOCKMANSHIP CONTEST**  
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**Resources**

Station 4: Nutrition & Digestion

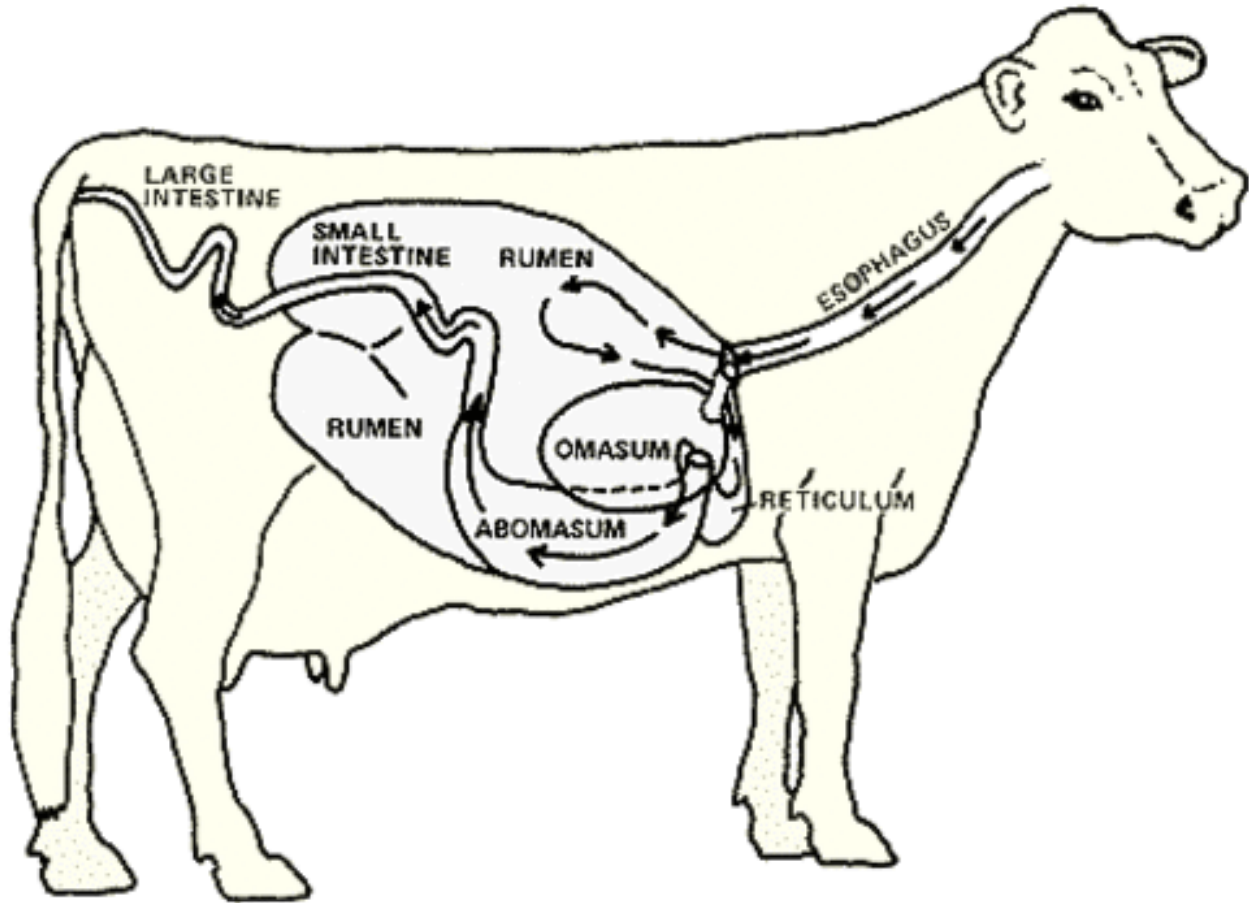


Figure 5: <https://extension.umn.edu/dairy-nutrition/ruminant-digestive-system#stomach-compartments-1000460>

Additional Resources:

- [OSU Feedstuff Identification](#) Factsheet
- [OSU Nutrient Classification](#) Factsheet
- <https://extension.umn.edu/dairy-nutrition/ruminant-digestive-system#stomach-compartments-1000460>