



Animal Health & Antibiotic Stewardship

NEBRASKA BQA

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Animal Health & Antibiotic Stewardship



- DEVELOP VACCINATION PROTOCOL
- PROPER DIAGNOSIS
- READING LABELS
- PROPER TOOLS/EQUIPMENT
- VACCINE ADMINISTRATION
- STORAGE AND HANDLING
- RECORD KEEPING

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Animal Health & Antibiotic Stewardship




ANTIMICROBIAL STEWARDSHIP REFERS TO COORDINATED INTERVENTIONS DESIGNED TO IMPROVE AND MEASURE THE APPROPRIATE USE OF ANTIMICROBIALS BY PROMOTING THE SELECTION OF THE OPTIMAL ANTIMICROBIAL DRUG REGIMEN, DOSE, DURATION OF THERAPY, AND ROUTE OF ADMINISTRATION.

ANTIMICROBIAL STEWARDS SEEK TO ACHIEVE OPTIMAL CLINICAL OUTCOMES RELATED TO ANTIMICROBIAL USE, MINIMIZE TOXICITY AND OTHER ADVERSE EVENTS, REDUCE THE COSTS OF HEALTH CARE FOR INFECTIONS, AND LIMIT THE SELECTION FOR ANTIMICROBIAL RESISTANT STRAINS.

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Developing Vaccination/Treatment Protocols (Written)



- CONSULT YOUR VETERINARIAN
- CORE VACCINATIONS
 - 4 WAY IBR, BVD, PI3, BRSV
 - 2 WAY PASTEURELLA
 - 4/7 WAY CLOSTRIDIAL
- ADDITIONAL CONSIDERATIONS
 - FLY CONTROL
 - IMPLANTS
- TREATMENT PROTOCOL

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Diagnosis



- ROUTINE HEALTH OBSERVATIONS
- PROPER DIAGNOSIS
- IDENTIFY TREATMENT PROTOCOL
- PROPER RESTRAINT
- TREATMENT
- RECORD TREATMENT / ID
- FOLLOW UP OBSERVATIONS

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Animal Health Labels



- **PRODUCT NAME**
- **ACTIVE INGREDIENT**
- **USE/DOSAGE**
- **WITHDRAWAL TIME**
- **STORAGE INFORMATION**
- **EXPIRATION DATE**
- **LOT NUMBER**

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Animal Health Labels



120-300-373

See package insert for complete product information. For bovine and swine respiratory disease, infectious bovine keratoconjunctivitis, and bovine foot rot. Cattle: Inject subcutaneously in the neck at 2.5 mg/kg (1.1 mL/100 lb) body weight (BW). Maximum 10 mL per injection site. Swine: Inject intramuscularly in the neck at 2.5 mg/kg (0.25 mL/2.2 lb) BW. Maximum 2.5 mL per injection site.

WARNINGS: FOR USE IN ANIMALS ONLY. NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR USE IN CHICKENS OR TURKEYS.

RESIDUE WARNINGS: Cattle intended for human consumption must not be slaughtered within 18 days from the last treatment. Do not use in female dairy cattle 20 months of age or older. A withdrawal period has not been established for this product in pre-ruminant calves. Do not use in calves to be processed for veal. Swine intended for human consumption must not be slaughtered within 5 days from the last treatment.

STORAGE CONDITIONS: Store at or below 25°C (77°F). To report a suspected adverse reaction call 1-800-392-5000. To request a material safety data sheet call 1-800-392-5000. www.DRAXXIN.com 1-888-DRAXXIN. Distributed by Pfizer Animal Health, Inc. of Pfizer Inc., NY, NY 10017. Made in France.

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Animal Health Labels





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Compendium of Veterinary Products





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Syringe and Needle Size

Injectable Viscosity	Route of Administration													
	SQ (1/2 to 3/4 inch needle)				IM (3/4 to 1 inch needle)				IV (1 to 1 1/2 inch needle)					
	Cattle Weight				Cattle Weight			Cattle Weight				Cattle Weight		
	< 300	300-700	> 700	< 300	300-700	> 700	< 300	300-700	> 700	< 300	300-700	> 700		
Thin Example: Most Vaccines	18 gauge	18-16 gauge	16 gauge	18 gauge	20-18 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	18-16 gauge	16-14 gauge		
Thick Example: Thick Antibiotics	18-16 gauge	18-16 gauge	16-14 gauge	18-16 gauge	18-16 gauge	16-14 gauge	18-16 gauge	18-16 gauge	16-14 gauge	18-16 gauge	18-16 gauge	16-14 gauge		


SELECT THE NEEDLE TO FIT THE CATTLE SIZE (USE THE SMALLEST PRACTICAL SIZE WITHOUT FEAR OF BENDING)

SYRINGE

- **CLEAN**
- **STERILE**

NEEDLE SIZE

- **ANIMAL SIZE**
- **PRODUCT**

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Changing Needles



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Animal Health Product Administration



ADMINISTRATION TECHNIQUE

- SUB Q
- INTRAMUSCULAR
- INTRA-NASAL
- INTRAVENOUS

LOCATION

- NECK REGION
- 10 CC PER INJECTION SITE
- 4" OR HANDS WIDTH BETWEEN INJECTIONS

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Remote Delivery Systems

BQA CONCERNS

- PROPER INJECTION SITE
- CORRECT ROUTE OF ADMINISTRATION
- CORRECT DOSAGE
- BROKEN NEEDLES IN MUSCLE/ CARCASS
- CONSIDER THE BEST WELFARE FOR THE ANIMAL



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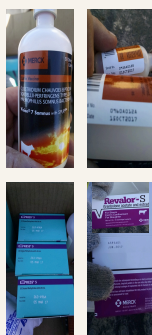
Handling Vaccines and Health Products



- TRANSPORTING ANIMAL HEALTH PRODUCTS
 - CLOSED
 - APPROPRIATE TEMPERATURE
- STORING ANIMAL HEALTH PRODUCTS
 - OUT OF DIRECT SUNLIGHT
 - APPROPRIATE TEMPERATURE
- MIXING MODIFIED LIVE VACCINES
 - AS NEEDED
 - NO MORE THAN ONE HOUR PRIOR

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Record Keeping



- HEALTH PRODUCT INVENTORY
- PROCESSING RECORDS
- TREATMENT RECORDS
- WITHDRAWAL TIMES AND MAXIMUM RESIDUE LEVELS
- FEEDSTUFF INVENTORIES
- FEED ADDITIVES

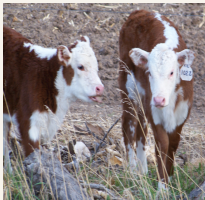
RECOMMEND MAINTAIN FOR 3 YEARS

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Record Keeping

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Resources




- UNL BEEF PAGE (BEEF.UNL.EDU)
- NEBRASKA BQA (BQA.UNL.EDU)
- NATIONAL BQA (BQA.ORG)
- COMPENDIUM OF VETERINARY PRODUCTS (BAYER)

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Questions??

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