

## Purdue University Laboratory Animal Program Standards of Care

### Title: Quality Assurance - Drug Residues and Labeling of Drugs Used in Food Animals

#### I. Purpose:

The purpose of this policy is to establish a safety standard and procedure with regard to drug use in food animals used for agricultural and biomedical research or teaching. *The Guide for the Care and Use of Agricultural Animals in Research and Teaching* (Ag Guide) refers to this as quality assurance.

#### II. Policy:

All units using food animals must meet or exceed the requirements in the Ag Guide, and all local, state and federal regulations pertaining to food animals. Food animals are defined as large or agricultural animals that are used or their products are used for human consumption (e.g. cattle, swine, goats, sheep, poultry used for meat, milk or egg production).

#### III. Procedure:

##### **Quality Assurance Programs:**

Agricultural research or teaching programs using animals that may be slaughtered for human consumption must institute quality assurance programs that are equivalent or superior to those used in the food animal industries. The food animal industries have developed several quality assurance programs such as the Milk and Dairy Beef Quality Assurance Program (AgriEducation Inc., Stratford, IA), the Beef Quality Assurance Program (National Cattlemen's Beef Association, Englewood, CO), the Pork Quality Assurance Program (National Pork Producers Council, Des Moines, IA), and the Veal Producer Quality Assurance Program (American Veal Association, Harrisburg, PA).

##### **Labeling of Containers of Drugs Prescribed for Food Animals:**

The following are the minimum labeling standards for veterinary prescribed drugs per AVMA policy:

- Name of the prescribing veterinarian
- Identification of animal(s) treated, species and numbers of animals treated (when possible)
- Date of treatment, prescribing, or dispensing of drug
- Name, active ingredient, quantity of the drug (or drug preparation) to be prescribed or dispensed



- Drug strength (if more than once strength is available)
- Dosage and duration
- Route of administration
- Number of refills (if applicable)
- Cautionary statement (if applicable)
- Expiration date (if applicable)
- Slaughter withdrawal and/or milk withholding times (see “Drug Residues” section below)

The actual container must have the veterinarian’s name and contact information, name of the drug, identification of the animal to be treated, adequate directions for proper use, and cautions/precautions including milk and meat withdrawal times. This information may be part of the manufacturers label or as a label attached by the prescribing veterinarian.

If there is inadequate space on the label for any of the other required information, the veterinarian must provide the additional information on a separate sheet that accompanies the drug dispensed or prescribed.

For over the counter (OTC) compounds, the drugs must be administered according to the manufacturer’s label. Labeled milk and meat withdrawal times must be followed.

**Drug Residues:**

University-owned animals receiving pharmaceuticals may not be shipped directly for slaughter for human consumption until after drug withdrawal times have been met.

With approval from the Attending Veterinarian (AV), agricultural animals that have not cleared their withdrawal times for drugs may be shipped to buyers (not for immediate slaughter) with adequate identification and with written notification to the buyer. Use the Department of Food and Agriculture form 513-037 “Notification of Drug Treated Livestock”.

For drugs that do not have established withdrawal/withholding times, consult with the AV. With thorough review of pharmacokinetic data and consultation with sources such as FARAD, safe withholding/withdrawal times may be determined for many drugs.

However, certain drugs may never be approved for use in animals intended for human consumption. See Extra Label Drug Use below. The FARAD website is: <http://www.farad.org/>

**Extra Label Drug Use:**

The campus will comply with the Extra Label Drug Use (ELDU) guidelines from the Animal Medicinal Drug Use Clarification Act (AMDUCA). Information including drugs prohibited for extra label use in food animals can be found at the following website:

<https://www.avma.org/KB/Resources/Reference/Pages/AMDUCA.aspx>



Containers for extra label use of drugs prescribed for food animals must be labeled with the following information:

- Name of prescribing veterinarian
- Established name of the drug
- Any specific directions for use including the class/species or identification of the animal or group
- The dosage frequency, route of administration and duration of therapy
- Specific withdrawal, withholding, or discard time for meat, milk, eggs, or any other food
- Any cautionary statements.

**Hazardous Chemicals:**

Hazardous chemicals that could potentially contaminate meat, milk, or eggs must be stored, used, and disposed of in a manner that prevents contamination of animals. Containers must be properly labeled including expiration dates. Personnel must be informed of their potential hazard and wear appropriate protective clothing.