

**TEXAS DEPARTMENT OF STATE HEALTH SERVICES
MEAT SAFETY ASSURANCE
AUSTIN, TEXAS**

MSA DIRECTIVE	10,800.3	2/14/2022
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PRIORITIZING INSPECTOR-GENERATED SAMPLING UNDER THE NATIONAL RESIDUE PROGRAM FOR MEAT AND POULTRY PRODUCTS

I. PURPOSE

This directive provides instructions to inspection program personnel (IPP), on deciding which carcasses to select for inspector-generated sampling under the National Residue Program (NRP) for meat and poultry products.

KEY POINTS:

- *Circuit Managers and IPP should use this list in conjunction with their professional judgement to prioritize selection of carcasses for KIS™ Testing*
- *Circuit Managers (CMs) have professional discretion when determining carcasses to choose for residue testing*

II. BACKGROUND

FSIS conducted a data analysis in 2015 and 2016 of FSIS residue violations and found that certain pathological conditions were more likely to show a laboratory-confirmed positive residue test result compared to other pathologic conditions. A survey of FSIS Public Health Veterinarians (PHVs) found they wanted more information on decision-making criteria for selecting carcasses for Kidney Inhibition Swab (KIS™) testing. To meet the needs identified by the PHV survey and to advance a data-driven approach to agency decision making, FSIS/MSA is providing information on pathologic conditions for CMs to consider when selecting carcasses for conducting KIS™ testing.

III. IPP RESPONSIBILITIES FOR PRIORITIZING PATHOLOGIES AND CONDITIONS WARRANTING CARCASS RETENTION AND SAMPLING

- A. At slaughter, IPP, under the direction of the CM, are to look for indications of violative chemical use or exposure and collect tissue samples for residue analysis as part of verification of the food safety system. Depending on the slaughter class involved, there are pathologies that, if found, may also indicate residue testing is appropriate.

- B. The CM and IPP, under the direction of the CM, are to perform a KIS™ test on any carcass suspected of containing violative levels of chemical residues. The CM is to use professional judgment when selecting carcasses for chemical or drug residue testing based on the prioritized conditions, evidence of acute or subacute disease conditions, pathological lesions, production practices, herd history, environmental security. The CM is to test animals for chemical residues when they are identified as Texas Suspect for chemical residues exposure and threats to homeland security during ante-mortem inspection and when post-mortem findings may indicate antimicrobial treatment, violative chemical use, or exposure to environmental contaminants, even if the carcass and its parts have been condemned.
- C. The following list contains pathologies and conditions, based on the Agency's analysis, that may warrant testing of carcasses for chemical residues. When observed, the CM is to prioritize the selection of these carcasses for residue testing. Whenever needed, PHVs are to refer to [FSIS Entry Training for the Public Health Veterinarian modules](#) for information on making ante-mortem and post-mortem dispositions.

1. Dairy Cows

- a. Lung Abscess;
- b. Nephritis/Cystitis;
- c. Injection site; or
- d. Abdominal abscess/Recent surgery

2. Bob Veal

- a. Pneumonia;
- b. Emaciation;
- c. Injection site; or
- d. Pyemia/Septicemia

3. Beef Cows and Bulls

- a. Injection sites;
- b. Nephritis/Cystitis;

- c. Neoplasia; or
 - d. Lung abscess
4. Steer and Heifers
- a. Injection sites;
 - b. Repeat violators;
 - c. Arthritis; or
 - d. Lung abscess/Pneumonia
5. Sows and Boars
- a. Injection site;
 - b. Metritis; or
 - c. Bruises/Injuries
6. Market Swine
- a. Show animals;
 - b. Arthritis; or
 - c. Pneumonia
7. Feral Swine: No specific pathologies or conditions were identified
8. Mature Sheep/Lambs
- a. Pneumonia;
 - b. Pyemia/Septicemia; or
 - c. Show animals
9. Goats: Pneumonia
10. Poultry: Since the KIS™ test is not validated for use in poultry testing post-mortem, IPP are to submit tissue samples for inspector generated residue testing in situations where a violative residue is suspected.

- D. CM's are to use professional discretion when deciding to conduct a KIS™ test, regardless of the conditions listed on the prioritized condition lists.

IV. DOCUMENTING KIS™ SAMPLING IN PHIS

IPP are to refer to the [PHIS Animal Disposition Reporting User Guide](#) for instructions on documenting KIS™ testing in PHIS. IPP are to refer to MSA Directive 10,800.2 for instruction on conducting KIS™ test.

V. QUESTIONS

Refer questions through supervisory channels.

A handwritten signature in blue ink that reads "James R. Dillon". The signature is written in a cursive style with a large initial 'J'.

James R. Dillon, DVM, MPH
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Department of State Health Services