

raft for Consultation Meat Code of Practice

Post-mortem Dispositions

New Zealand Government

Title

Guidance Document: Meat Code of Practice

About this document

There is general agreement that most food-borne diseases cannot be detected by post-mortem examination. At times there may be procedures other than post-mortem examination that enhance food safety or the safety of food for pets. In addition to the safety of consumers, the safety of meat workers and personnel carrying out post mortem examination under the Occupational Health and Safety legislation should be considered.

Some post-mortem examination procedures require handling of product. This results in potential crosscontamination of the product, which should be minimised.

Post-mortem examination can include both examination of individual items and sampling.

Related Requirements

Draft for Consultation

Change history

| Previous Version Date | Current Version Date | Section Changed | Change(s) Description |
|--------------------------|-------------------------|-----------------|-----------------------|
| | | | |

Contact Details

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1 Purpose

The purpose of this document is to set out the procedures for the disposition of animal products following post-mortem (PM) examination. Final disposition must be made on a basis of fitness for intended purpose.

2 Mandatory Requirements

2.1 Human Consumption

2.1.1 HC Spec 75

Animal material from farmed mammals, farmed birds must comply with the relevant PM regulations and specifications prior to release of the resulting animal product from the final primary processor.

2.1.2 HC Spec 82

Animal material from killed wild mammals must comply with the relevant PM regulations and specifications prior to release of resulting animal product from the final primary processor.

2.1.3 HC Spec 89

Animal material from killed game estate mammals must comply with the relevant PM regulations and specifications prior to release of resulting animal product from the final primary processor.

2.1.4 HC Spec

Animal material from killed farmed mammals that have become feral, must comply with the relevant PM regulations and specifications prior to release of resulting animal product from the final primary processor.

2.1.5 Disposition of Product

See Appendix 2 for the dispositions to be used.

Subsequent to a disposition, adequate procedures must be in place to control product to ensure the product will not be disposed of in an unauthorised manner.

Product may be retained as per Chapter 9. Inventory records of such product must be maintained by the Operator or a person with appropriate delegated authority.

2.1.6 Retain rail procedures

No un-passed carcasses or parts are to be left on or beneath the retain rails or on viscera tables or buggies during work breaks unless they are under the direct control of an inspector or denatured in an approved manner.

2.2 Animal Consumption

2.2.1 General

Animal material intended as petfood, including both minimal risk and medium risk raw material, must be stained black unless they are:

- a) Packaged and marked with a broad red band and labelled "Inedible Not for Human Consumption" at the source premises for transfer between premises for further manufacture; or
- b) Sealed with an approved seal in leak proof bulk bins labelled "Inedible Not for Human Consumption" for transfer between premises for further manufacture; or
- c) Marked with a stamp in black letters not less than 19mm high "Inedible Not for Human Consumption" and the official number of the source premises. Carcasses must be marked in several places and all cuts after debasing and offal must bear a similar mark.

Petfood may be stained black using either stains formulated according to Approved Maintenance Compounds (Non-Dairy) Manual, Part A, 4.9.

2.2.2 Collection of Blood and other Tissues for Pharmaceuticals Purposes from Immature Calves

Carcasses may be designated for use as petfood.

Carcasses, blood and other tissues of these calves must not enter the edible human food chain Refer chapter 5, Slaughter and Dressing.

2.2.3 Pet Food Carcasses

Certain categories of carcasses which would otherwise be condemned may be salvaged for petfood at company discretion. These categories include;

- Ovine carcasses with more than 5 T. ovis cysts in the skeletal muscle, excluding the diaphragm;
- - Very poor carcasses with chronic arthritis;
- •
- Poor carcasses with chronic caseous lymphadenitis [CLA] lesions;
- Carcasses with 4 or more extensive CLA lesions affecting most of a carcass or viscera lymph node;
- •
- Parasitic lesions in a carcass where by extensive removal by trimming renders the carcass unsightly;
- •
- Carcasses with generalised sarcocystis infestation.

For disease statistics, petfood carcasses must be recorded as condemned.

The PM examiner must make one knife slash per side of petfood carcasses from, and including, the hind leg, along the back and over the shoulder to end at the neck and elbow.

It is then the responsibility of the operator to:

- excise all lesions and immediate surrounding tissue, placing them in a condemned container or chute;
- make a second knife slash per side parallel to the first one;

• brand the carcass with the petfood stamp, using black ink, four times per side [leg, loin, rack and shoulder] so that the ink penetrates the identification slashes.

These procedures must be completed before the carcass leaves the slaughter floor, ancillary facility, or other specified area covered by a registered RMP.

2.2.4 Ovine Heads and Tongues – Salvage for Petfood

Un-examined heads are designated condemned and treated accordingly unless salvaged for petfood.

If neither the head nor the tongue is required for human consumption, any parts of the head may be salvaged for petfood without PM examination, provided they are not defective in any way and not derived from carcasses condemned for disease conditions. Salvage may occur before PM examination using batch collection procedures.

2.2.5 Bobby calf Head and Tongues – Salvage for Petfood

When the tongue is not saved for human consumption, no PM examination of the head is required. This is valid even if the brain is saved for human consumption.

If neither the head nor the tongue is required for human consumption, any parts of the head may be salvaged for petfood without PM examination, provided they are not defective in any way and not derived from carcasses condemned for disease conditions. Salvage may occur before PM examination using batch collection procedures.

2.2.6 Livers

A liver presented with less than one whole node must be designated petfood if not otherwise condemned.

Also see chapter 6, Presentation.

2.3 Condemned Material

2.3.1 General

Pigs or goats scalded before sticking must be condemned.

Condemned carcasses or parts must be secured during work breaks unless an official assessor or PM examiner is physically present.

2.3.2 Carcasses

Carcasses falling into drains must be condemned without trimming.

Carcasses falling on the floor may be either discarded by the company [without the issue of a condemned ticket] or identified and either condemned or trimmed to the satisfaction of the PM examiner.

2.3.3 Viscera

All condemned material must go over the end of the viscera table, or be tipped from a gut buggy directly into a condemned material chute.

Slinks can be transported in secure facilities to the foetal blood room.

Condemned heads may be removed by a non-food worker or a food worker using a hook or similar device.

2.3.4 Foetal Blood

Foetal blood can only be collected from animals where the dam has passed AM and PM examination.

2.3.5 Denaturing of Raw Materials

Denaturing may take place on the slaughterfloor or any other place where animal product has been condemned. This needs to be done while the animal product is still under control of the examiner unless an approved system is in place.

Unless otherwise exempt any carcass or offal derived from farmed deer, game or stock that has been condemned according to any criteria relating to the examination, handling processing or packaging of products must be denatured using one of the following methods;

Hashing/hogging: when condemned material is transported off site the material is to have the character and appearance of inedible material otherwise one of the agents described below must be added;

- A green ink as in Approved Maintenance Compounds (Non-Dairy) Manual, Part A, 4.10.;
- Crude carbolic acid;
- Cresylic acid.

2.3.6 Exemptions for denaturing of raw material

Medium risk raw material that conforms to the following criteria does not need to be denatured:

- a) they are derived from slaughtered or killed animals intended for food and the material is physically confined to, and secured on the same premises at all times from the point of collection to the thermal process; or
- they are derived from field sources, ie, other than slaughtered or killed animals, and is transported directly to the thermal processing premises. During transport the material shall be physically confined so that it does not contaminate the environment and is inaccessible by vermin; or
- c) they are derived from animals slaughtered at a premises which has been approved for the slaughtering of animals and rendering of medium risk raw material.

2.3.7 Pharmaceutical Material

Any material derived from animals that have passed ante- and post-mortem examination can be used for pharmaceutical purposes.

Foetuses and foetal blood derived from slaughtered stock or farmed deer may be saved as raw materials provided the conditions herein are fulfilled. The foetuses or foetal blood may only be used for pharmaceutical or biological purposes.

2.3.8 Alternative treatment

Condemned tissues from animals that have been slaughtered or killed, or recovered from the field may be treated by approved processes to recover extracts substances intended for pharmaceutical or biological purposes.

2.3.9 Thyroid gland

Neither the thyroid gland nor the muscular tissues surrounding the larynx can be salvaged for human consumption.

Thyroid glands may be saved for pharmaceutical or technical use.

3 Definitions

PCR: Polymerase Chain Reaction which is a technique to amplify a single or few copies of a piece of DNA across several orders of magnitude, generating thousands to millions of copies of a particular DNA sequence.

Tb: Bovine tuberculosis (Mycobacterium bovis).

Tb reactor: an animal judged to be a Tb reactor by an accredited or authorised person under the pest management strategy of the animal health board.

Line: A group of animals coming from the same vendor and slaughtered during the same day at one slaughterhouse. This is regardless of whether or not the animals are reactors, coming from an infected herd or coming from a vector risk area.

Tuberculous animal: Tb reactors and those animals with lesions suspicious of Tb.

Tuberculous product: Product derived from tuberculous animals which may or may not be passed for human consumption depending on location and removal of affected parts.

Tb suspect: Animals that have lesions suspicious of Tb identified at ante or post-mortem examination.

4 Dispositions

4.1 Background

Disposition of animal products following post-mortem examination must ensure that product is fit for intended purpose. The Disposition Table (Appendix 2) contains the dispositions that must be used.

In formulating the dispositions, MPI has considered that risks to public health (food safety) and animal health must be minimised. Wholesomeness was also a consideration.

The extent to which the disposition applies to the product must be made clear by the post-mortem examiner. Sometimes one disposition may apply to all tissues of an animal while at other times different dispositions may apply to different tissues of one animal.

Where only parts of an animal, carcass, head or viscera are affected by a disease, due consideration must be given to the possibility of the tissue being an indicator tissue for disease in other parts of the carcass.

4.2 Dispositions of product and by-product

See the Disposition Table (Appendix 2) for the dispositions to be used.

Subsequent to a disposition, adequate procedures must be in place to control animal material to ensure the material will not be disposed of in a manner which results in contamination of animal product.

The post-mortem examination service must have a programme in place to monitor the performance of the post-mortem examiners and MPI VS must verify this programme.

4.3 Control of product

Control of animal material occurs in various ways before being released.

Animal material that needs trimming and re-examination is handled on the main chain or diverted to the retain rail and remains under the control of the post-mortem examiner until the defects have been removed. This process usually takes only a short period of time. A documented system must be in place at each premises describing how such product is identified and controlled and who has the authority to remove what marks. Historically, standardised tickets, paper squares and discs have been used but alternative systems of control may be developed. Any system must be approved by the Technical Supervisor of MPI VS.

Lines of animals with CLA, Sarcocysts, minor pleurisy or grass seeds or which have been vaccinated with Johne's Disease vaccine may be transferred to MPI-approved ancillary areas for trimming and reexamination. Details of MPI-approved ancillary facilities are detailed in Chapter 5. Any system for dealing with product in ancillary areas must be approved by the Technical Supervisor of MPI VS.

Animal material or product may be retained for extended periods of time, for example, when laboratory results are required to make a judgement (eg in the case of Tb). This animal material or product must be retained in a secure manner by the post-mortem examination service (eg in a lockable cage or rail) in a different part of the premises. Inventory records of such product must be maintained by the post-mortem examination service.

Where animal material needs to be re-examined, the operator must ensure that the conditions under which this occurs are adequate for the purpose (chapter 9). Documentation must be available describing how the operator and the post-mortem examination service exercise control over such product.

4.4 Missing Tissues

| Missing Tissue | Tissue Found | Tissue Not Found | Export |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 kidney Other tissues requiring post- mortem examination | Normal post- mortem examination judgement and disposition but condemn found tissues | Re-inspect carcass and offal using normal post-mortem examination judgement and disposition. If no evidence of systemic food safety or wholesomeness issues pass carcass and viscera for human consumption | Can be passed for export if remaining kidney has no evidence of systemic Condemnable lesion Not to be passed for export if tissue not found |
| Any missing tissue If there is other evidence of a systemic condemnable condition | Condemn all | Condemn all | |

Standards for Missing Tissues at Post-Mortem Examination

5 Samples

5.1 General

Samples may be collected for public health protection and animal health surveillance.

This section excludes requirements for Trichinosis, Injection Site Lesion (ISLs), species verification and chemical residues, which are discussed in other publications, and for Tb, which is addressed in the next chapter.

If samples are to be collected they must be collected, dispatched and acted upon in accordance with MPI procedures.

5.2 Suspect notifiable diseases (including Echinococcus granulosus and Taenia solium)

In the case of a suspect notifiable disease, follow instructions in accordance with the provisions of the Biosecurity Act 1993. Report suspected exotic diseases in animals (e.g. Foot-and-Mouth disease, Echinococcus granulosus, Taenia solium) via MPI's toll free hotline, all hours on 0800 80 99 66. Sample collection, further testing and any containment requirements will be directed by an MPI Incursion Investigator.

The list of notifiable diseases is in the Biosecurity (Notifiable Organisms) Order 2010 located at:

http://www.legislation.govt.nz/regulation/public/2010/0265/latest/whole.html?search=ts_regulation_bios_ ecurity_resel&p=1

If the post-mortem examiner or the post-mortem examination service identifies what is suspected to be a new, unusual or emerging syndrome please notify via the MPI toll free hotline on 0800 80 99 66. An MPI Incursion Investigator will assess the findings and may be able to assist with an investigation to determine the cause of the presentation.

5.3 Taenia saginata

Every suspect *T. saginata* lesion must be submitted for laboratory diagnosis in accordance with:

- TD 03/165 Inspection procedures for the head and head meats of cattle (including calves) for animals from suppliers **not** on the MPI surveillance list for *T* saginata
- TD 09/28: Bovine Taenia saginata examination procedures: specified countries for animals from suppliers **on** the MPI surveillance list for *T* saginata.

The surveillance list is provided to official assessors by MPI VS.

If there are more than two suspect lesions in a line of animals, retain the lesions and email MPI Standards (Specialist Adviser (Residues) – <u>residues@mpi.govt.nz</u>).

Every suspect *T. saginata* lesion must be sent chilled and must not be incised deliberately. Do not send in formalin as this interferes with testing. Lesions must only be dispatched if they get to the laboratory still chilled; i.e. they are to be held in a fridge at the premises during weekends or holidays.

Record the sites (eg heart, masseter, liver) on the submission form where all suspect lesions have been found and the number of lesions at each site on the laboratory submission form. This applies to detection on post-mortem examination as well as in the boning room.

Lesions must be sent to Gribbles Veterinary Hamilton Laboratory. The laboratory submission form must be filled in completely and a copy kept at the sampling site.

The laboratory will provide copies of the results directly to MPI (Specialist Adviser (Residues)) as well as back to the sampling site submitter. Decisions on further investigations will be made by MPI Standards.

Laboratory costs for this testing will be paid by MPI and will be sent directly from the laboratory to MPI.

5.4 Fitness for Human Consumption

At times a laboratory diagnosis is required to decide on fitness for human consumption.

Laboratory: as appropriate.

The operator pays laboratory and courier costs. However, the operator has the option to decide that no laboratory test(s) will be performed, in which case a conservative approach must be taken; i.e. a disposition is made as if the laboratory had diagnosed the worst possible option (from a public health perspective).

5.5 Educational

Procedures are to be in accordance with MPI VS or the post-mortem examination service's specifications.

Laboratory: as appropriate.

MPI VS or the post-mortem examination service pay the laboratory and courier cost.

6 Tuberculosis

6.1 Introduction

Tuberculosis (Tb) plays a prominent role in the New Zealand meat post-mortem examination system. Compared with other conditions, many specific procedures apply to Tb.

A national bovine tuberculosis pest management strategy for both cattle and deer operates under the Biosecurity Act and is administered by TB Free NZ. The slaughter of reactor animals and the use of post-mortem examination slaughterhouse results for epidemiological purposes are important aspects of this strategy.

In the case of all species, lesion samples must be divided so that half is forwarded freshly chilled and half is forwarded as fixed tissue.

6.2 Cattle

The slaughter procedures for Tb reactors and the branding of Tb carcasses must be in accordance with Chapter 5.

The procedures for retained Tb meat must be documented in accordance with the section on Documentation and approval of post-mortem examination procedures.

6.2.1 Submission of samples and interpretation of results

If one, two or three animals in a line have suspect Tb lesions then:

All suspect lesions up to and including a maximum of three suspect lesions from each animal must be submitted. This is regardless of reactor status, infected herd status or vector risk area.

If **four or more animals** in a line have suspect Tb lesions then:

For three of these animals, see the paragraph above. The submission of lesions of the remaining animals is optional. Animals with suspect Tb lesions will be considered positive unless the individual animals are deemed negative based on laboratory post-mortem examination (eg histopathology).

If **seven or more animals** in a line have suspect Tb lesions then: See the paragraph above. However, if lesions of six animals of the line have been tested in an approved laboratory and they have all been negative and the cause is known, then the remaining animals will also be considered negative.

| Animal ID | Lesion | | | | | | | | | |
|-----------|------------|------------------------------------------------------|-----------------------|------------------------------------------------|--|--|--|--|--|--|
| | 1 | 2 | 3 | 4 or more | | | | | | |
| 1 | Submissi | ion compuls | ory: TB Free | Submission optional: operator, MPI or Post- | | | | | | |
| 2 | NZ/Asure | Quality will | pay the costs of the | mortem examination Service required to | | | | | | |
| 3 | histology | | | pay the cost of additional histology. | | | | | | |
| 4 | Submissi | Submission optional | | | | | | | | |
| | Operator | Operator, MPI or Post-mortem examination Service pay | | | | | | | | |
| | Animal is | considered | to have Tb unless cl | eared by a laboratory test. | | | | | | |
| 5 | Submissi | ion optional | | | | | | | | |
| | Operator | , MPI or Pos | st-mortem examination | on Service pay | | | | | | |
| | Animal is | considered | to have Tb unless cl | eared by a laboratory test. | | | | | | |
| 6 | Exception | n: if lesions | of six animals of the | line have been tested in a laboratory and they | | | | | | |
| >6 | are all ne | gative and t | he cause of the prob | lem is known, then the remaining animals can | | | | | | |
| | also be c | also be considered negative. | | | | | | | | |

If there are 4 or more suspect lesions in an animal, then the most typical lesions for Tb on gross examination must be submitted.

Samples should be couriered to the laboratory on the same day of collection provided these will arrive at the receiving laboratory on the same working day or overnight (provided this is a working day for the laboratory).

If samples need to be held prior to dispatch:

- For fixed samples, these must be refrigerated but must not be frozen.
- For fresh samples, special care must be taken to ensure that samples for culture are not kept at room temperature for excessive periods. Samples must be stored at 5°C or colder prior to forwarding them to the laboratory using couriers. If there are delays greater than three days in forwarding fresh samples to the laboratory, they must be frozen at a temperature of -12°C or colder.

The disposition of each carcass will be based on the laboratory results as per the table below, (but see exceptions above).

| H&E | ZN | Disposition |
|------------|----------|-----------------------------|
| Negative | Negative | Human Consumption |
| Suspicious | Negative | Human Consumption /Condemn* |
| Typical | Negative | Human Consumption /Condemn* |
| Typical | Positive | Human Consumption /Condemn* |

*Depending on the site(s) of the lesions.

At times, the person who makes the judgement may request culturing or PCR testing. Where the histopathology report states that the lesion(s) are consistent with cervine paratuberculosis, culturing or PCR testing may be required.

When culture information is available to the person making the final judgement, the decision on the disposition of the carcass may be at variance to that detailed in the above table. Any decisions which are at variance with the above table or where a disposition is based on a limited number of suspect animals as described above must be fully documented. If a situation arises where the above Tb procedures and dispositions are inappropriate for a certain farm or group of farms on an ongoing basis, an application for amended practices can be made to MPI.

There is no requirement for MPI VS or the post-mortem examination service to postpone making a judgement if AsureQuality requests culturing, but MPI VS or the post-mortem examination service may decide to postpone until all information is available to them.

The Disposition Tables (Appendix 2) contains details of disposition of Tb meat

6.3 Deer

6.3.1 Slaughter and processing procedures

The slaughter and processing procedures for Tb reactors and Tb carcasses must be in accordance with Chapter 5 and other relevant requirements.

6.3.2 Submission of samples and interpretation of results

The submission of samples and interpretation of results will predominantly be based on the Tb herd status, i.e. either high risk or low risk category.

NB: Refer also to country OMAR to confirm market eligibility. For example, countries such as Russia are currently known to have prohibitions or restrictions on products derived from Tb reactors regardless of whether any Tb-like lesions are found at slaughter.

- a) High risk category
- Tuberculous Reactor deer, or
- Non-reactor deer with tuberculous-like lesions found at slaughter and originating from a tuberculous-infected or suspected status herd, or
- Deer from a herd located in a Declared Movement Controlled Area.



b) Low risk category

Non reactor deer with tuberculous-like lesions found at slaughter from a Clear Status deer herd located outside a Declared Movement Controlled Area



| Animal ID | Lesion | Lesion | | | | | | | |
|-----------|--------------|-------------------------------------------------------------|----------------|---------------------|--|--|--|--|--|
| | 1 | 2 | 3 | 4 or more | | | | | |
| 1 | Submission | | | Submission optional | | | | | |
| 2 | | DINZ will pay th | e costs of the | | | | | | |
| 3 | PCR | | | | | | | | |
| 4 | Submission | • | | | | | | | |
| 5 | | RMP operator pays the costs | | | | | | | |
| 6 | Refer to the | Refer to the relevant diagram above for product disposition | | | | | | | |

If there are 4 or more suspect lesions in an animal, then the most typical lesions for Tb on gross examination must be submitted.

Fresh and fixed Tb samples from suspect Tb deer should be collected and placed in a pottle. Samples details must be entered in DMIS (Disease Management Information System) and couriered to the laboratory on the same day of collection provided these will arrive at the receiving laboratory on the same working day or overnight (provided this is a working day for the laboratory).

A copy of the completed DMIS report must accompany the sample to the laboratory.

If it is unlikely that the sample will reach laboratory on a working day, the sample should be kept at 4 °C until such time that the sample will get to the laboratory on a working day. If there is a long public holiday (>5 days), then samples should be frozen.

The physical address of Animal Diagnostics Laboratory is:

Animal Diagnostics Ltd FAR Laboratory Complex Cnr Gerald Street and Marion Place Lincoln 7608 Canterbury Ph: 03 325 3278 Fax: 03 325 6038 Email: 22egg7@gmail.com

6.4 Pigs

Samples of carcasses / viscera that are the subject of pending condemnation judgements must be submitted for laboratory confirmation in all cases.

Samples of a representative range of lesions from all carcasses/viscera that are condemned or are held pending possible condemnation must be submitted for laboratory confirmation by histopathological examination and culture.

The submitter may recover the costs of sampling and couriering from the operator. The name of the client for the laboratory to bill must be clearly indicated on the submission form. If the operator does not wish to have the test performed, the lesion(s) will be considered tuberculous and the product will be disposed of accordingly.

6.5 Wild Animals

Wild pigs, deer, chamois, thar, goats, hares and rabbits are at times submitted for processing. Any suspect Tb lesions must be submitted in accordance with section 5.2.

Costs: see section 5.2, Cattle.

6.6 Other Species

Any suspect Tb lesions must be submitted to a laboratory in accordance with section 5.2.

Costs: see section 5.2, Cattle.

Where Tb lesions are detected in other species, the submitter must notify MPI.

6.7 Communication

Reactors on arrival at a slaughterhouse are identified by:

- reactor ear tags
- a Tb declaration card submitted by or on behalf of the owner to the slaughter company or a vendor declaration form with details regarding Tb and reactor status.

The following procedures apply if:

- a reactor is submitted for slaughter, or
- an animal with suspect lesion(s) is detected on post-mortem examination.

The Tb Surveillance and Submission Form must be filled out. A copy of this form must be mailed, faxed or emailed to the AsureQuality veterinarian in the district relating to the owner. In those circumstances when MPI VS or the post-mortem examination services are uncertain to which AsureQuality office the information relates, the form may be mailed, faxed or emailed to:

North Island: Tb Bureau, AsureQuality NZ, Private Bag 3080, Hamilton.

Fax: 07 838 5895

South Island: Tb Bureau, AsureQuality NZ, Private Bag 4718, Christchurch

Fax: 03 358 6222.

The identity (as detailed under the Biosecurity (Animal Identification System) Regulations) of any cattle, or deer with suspect Tb lesion(s) detected during post-mortem examination must be recorded on the submission form which must be sent to AsureQuality.

The laboratory will send the results to the submitter (i.e. the post-mortem examination service). The submitter will pass this information on to the processor. It is not the responsibility of the submitter to contact the farmer, but the submitter should be available to provide the farmer with information if requested. Lines of communication between farmers, TB Free NZ, laboratories and field staff of AsureQuality, and veterinary clinical practitioners are outside the scope of this standard.

7 Disease and defect recording requirements

7.1 General

The collection of disease and defect information by the post-mortem examination service is required to monitor and improve post-mortem examination systems. This applies both to the adequacy of the system to detect abnormal tissues and to be able to compare findings at different premises. It may also assist in continued access to overseas markets and monitoring of animal diseases. A number of sheets attached to the Post-mortem examination Table (Appendix 3) contain the categories of diseases and defects that are to be collected and made available to MPI. The sections below contain descriptions of the diseases and defects for farmed deer and bobby calves that are to be collected. Some comments are made regarding wild deer and ovines. Other species and more details regarding wild deer and ovines will follow in due course.

7.2 Farmed Deer

With the exception of tuberculosis, neoplasms and E. granulosus, only affected carcasses are to be recorded. As an example facial eczema is to be recorded as Other Causes when the carcass is affected but not if the liver only is affected.

Arthritis infectious

Any swelling, deformation or inflammation of a joint which is considered at post-mortem examination as being caused by an infectious agent. Please note the diagnosis will be based on gross pathology and it is not the intention that joints are opened for confirmation.

Arthritis non-infectious

Any deformation or swelling of a joint which is considered to be non-infectious. This includes joints deformed by trauma or a degenerative process.

Bruises Forequarter

All lesions resulting from trauma to the forequarter (forelegs, neck, shoulders. The caudal part of the shoulder is defined by a line which runs horizontally and touches the most caudal part of the shoulder blade when the carcass and the forelegs are hanging freely). Ribs in the forequarter are included with the exception of healed broken ribs. All lesions are to be more than 10 cm in their greatest dimension and a minimum depth of 0.5 cm.

Lesions identified as Wounds take precedence over associated bruises and should only be recorded as "Wounds".

Bruises Middle

All lesions resulting from trauma to the "middle" of the carcass (thoracic and lumbar vertebrae, ribs, brisket and flaps). Ribs are included with the exception of healed broken ribs. Removal of healed broken ribs is a commercial matter. The lesions are to be more than 10 cm in their greatest dimension and a minimum depth of 0.5 cm.

Lesions identified as Wounds take precedence over associated bruises and should only be recorded as "Wounds".

Bruises Hindquarter

All lesions resulting from trauma to the hindquarter (hocks, knuckles, topsides, silversides, rumps, tissues covering ischium and ilium). The lesions are to be more than 10 cm in their greatest dimension and a minimum depth of 0.5 cm.

Lesions identified as Wounds take precedence over associated bruises and should only be recorded as "Wounds".

Therefore more than one ticket for Bruises can be attached to a carcass. In practical terms the definition of minor bruises has been changed but the way to deal with minor bruising is unchanged.

Carcasses will be passed if they are:

free from diseases and defects, apart from minor bruising (10 cm in its greatest dimension and < 5 cm deep), and ..

Company responsibilities with regard to bruising are detailed in Chapter 5. This continues to apply but note the altered definition of bruising in farmed deer above.

If a carcass is condemned for bruises it is sufficient to enter this data in the box of Bruises Forequarter only.

Wounds

All lesions resulting from trauma which are associated with a penetrated hide. Wounds are recorded regardless of their size and if accompanied by bruises or pleurisy broken rib or pleurisy other they will take precedence for recording purposes.

E. granulosus

Any lesions from an animal which are confirmed by a laboratory as caused by *E. granulosus* are to be recorded. Current hydatids requirements remain unchanged. Recording occurs in the month of confirmation.

Injection Site Lesions

Lesions which are likely to have been caused by injections regardless of size, substance injected, and age of the lesion.

Neoplasms

All animals which are considered at post-mortem examination as having one or more neoplasms in the carcass, head or offal.

Peritonitis

Carcasses for which peritonitis is identified and which require trimming or further input prior to disposition. Minor resolved lesions (<5 cm in largest diameter) which are remnants of earlier peritonitis should not be recorded.

Pleurisy Broken rib

Any abnormality of the pleura (inflammation, thickening and/or adhesion), which is associated with broken ribs and requires trimming or further input prior to disposition. Lesions which are classified as Tuberculosis, Wounds, Bruises and Neoplasms are not included in this category.

Please note that there is no requirement to remove broken healed ribs which do not have pleurisy. This is a commercial matter.

Pleurisy Other

Any abnormality of the pleura (inflammation, thickening and/or adhesion), which is not associated with broken ribs and requires trimming or further input prior to disposition. Lesions which are classified as Tuberculosis, Wounds, Bruises and Neoplasms are not included in this category.

Pyogenic Lesions

One or more pyogenic lesions in the carcass. Specific conditions in the list which are accompanied by pyogenic lesions will take precedence for recording purposes.

Septicaemia

All carcasses which are judged as septicaemic unless already judged to be septicaemic and condemned as part of a specific condition on the list. Note that if an initial diagnosis of septicaemia is not confirmed on re-examination, the septicaemia ticket should be cancelled.

Tuberculosis

Any animal with lesion(s) found in a carcass, head and/or offal which is (are) diagnosed as tuberculosis for the purpose of carcass disposition. This may not always include laboratory diagnosis.

Other Causes

All causes which are not mentioned in this list and which require a carcass to be diverted to the retain rail and/or condemned. It includes diseases and defects which previously were recorded separately such as actinoform lesions, facial eczema, post capture myopathy, *Elaphostrongylus cervi*, emaciation.

7.3 Farmed and Wild Deer

Orchitis/epididymitis

Any animal with lesions suspected to be orchitis or epididymitis.

In the case of Brucella ovis the following details are to be recorded for epidemiological purposes.

Farmed and wild:

- Date of post-mortem examination.
- Number of affected male deer in this line.
- Number of male deer in this line.
- Farmed or wild deer.
- If farmed deer:
- Name of the owner.
- Address.
- Further clarification of address if required.
- Town.

If wild deer:

- Area where the animal(s) were derived from.
- Total number of wild male deer inspected this month (top of page).

Contamination will not be recorded. However the carcasses are to continue to be ticketed and trimmed as per Chapter 5. This standard remains unchanged.

onsultation

7.4 Bobby Calves

Emaciation

Emaciation and Immaturity, signs include:

- minimal wearing of the plantar surfaces of the hooves, the umbilical remnant is fresh rather than dry, and coupled with these findings there may be evidence of muscular weakness (ante mortem)
- musculature which is loose and flabby and appears "water soaked"
- generalised underdevelopment of the musculature
- minimal fat deposits, which appear brownish-red, gelatinous and oedematous.

Wounds and bruises

- Wounds.
- Bruises.

Arthritis

Acute inflammation and infection affecting the joints, including localised infectious arthritis and infectious polyarthritis, but excluding uncomplicated traumatic lesions.

Septicaemia

- Septicaemia and pyaemia.
- Conditions which have spread systemically from the initial focus of infection (eg hepatic abscesses with further abscessation in other organs).
- Salmonellosis.
- Haemorrhagic, gangrenous and other acute inflammations of the GI tract
- Acute pericarditis.
- Acute nephritis (includes those conditions where there are hyperaemic haloes around white spots on the cortex).
- Other acute inflammatory conditions (eg fibrinous peritonitis and acute hepatitis)

Pleurisy

- Pleurisy
- Use Pneumonia (not pleurisy) if in conjunction with acute pneumonia.
- Use Septicaemia (not pleurisy) if in conjunction with acute pericarditis.

Other Causes

- Superficial haematomas in the pelvic area resulting from ineffective closure of the umbilical arteries.
- Non-infectious, rare conditions affecting part of the carcass, such as melanosis, umbilical hernias, and localised white muscle.
- Generalised, non-infectious conditions, which occur rarely and require carcass condemnation (jaundice, malignant neoplasms, generalised melanosis).
- Any condition (excluding contamination) which is not recorded by any of the other categories and which results in the carcass being sent to the retain rail.

Contamination

Contamination

Navel III

- Navell ill.
- Omphalophlebitis.
- Omphaloarteritis.
- Urachitis.

Pneumonia

• Pneumonia.

7.5 Sheep and Lambs

Where T. ovis (C. ovis) cysts or Caseous lymphadenitis (CLA) lesions are detected anywhere in the viscera of the sheep (other than lambs), the carcass is to be diverted to the detain rail and the appropriate disease is to be recorded.

Lambs

To ensure consistency of data to enable the control and management of Taenia ovis (sheep measles) at farm level, Ovis Management Ltd requests that for lambs, findings of T. ovis lesions in the diaphragm and heart be recorded against the carcass of lambs. This is likely to involve notification from viscera examiners to carcass examiners who will ticket the carcass but not send the carcass to the detain rail. The company grader will then enter the data against the carcass and the farm. It will be up to the operator, AsureQuality and MPI staff at each premises to agree on the ticketing process.

Draft for Consultation

8 Appendix 1: Disease and Defect Forms

Disease and Defect Form Ovine and Caprine

Premises No.:

Month Ending:

Eg enter February as 2/12

| | | SHEEP | | LAMBS | | GOATS | | | |
|---------|----|------------|-----------|------------|-----------|------------|-----------|--|--|
| | | Prevalence | Condemned | Prevalence | Condemned | Prevalence | Condemned | | |
| PLU | 1 | | | | | | | | |
| WB | 2 | | | | | | | | |
| C-OVIS | 3 | | | | | | | | |
| SAR | 4 | | | | | | | | |
| ART | 5 | [| | | 1-1 | | | | |
| CLA | 6 | | | ISU | | | | | |
| EMA | 7 | | | | | • • • | | | |
| NP | 8 | | | | | | | | |
| PYO | 9 | | | | | | | | |
| EG | 10 | | | | | | | | |
| CONTAM | 11 | | | | | | | | |
| FEX | 12 | | | | | | | | |
| OCS | 13 | | | | | | | | |
| SAL | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| TOTAL | | | | | | | | | |

Disease and Defect Form Bovine and Caprine

Premises No.:

Month Ending: Eg enter February as 2/12

| | | CATTLE | | CALVES | | PIGS | | |
|---------|----|------------|-----------|------------|-----------|----------------------|---|--|
| | | Prevalence | Condemned | Prevalence | Condemned | Prevalence Condemned | | |
| EMA | 51 | | | | | | | |
| WB | 52 | | | | | | | |
| ТВ | 53 | | | | | | | |
| PYO | 54 | | | | | | | |
| ART | 55 | C | | | | | | |
| SAL | 56 | | | | IAI | n | | |
| NP | 57 | | | | | | | |
| PLU | 58 | | | | | | | |
| ACT | 59 | | | | | | | |
| XAN | 60 | | | | | | | |
| FC | 61 | | | | | | | |
| SL | 62 | | | | | | | |
| C-BOVIS | 63 | | | | | | | |
| OCS | 64 | | | | | | | |
| CONTAM | 65 | | | | | | | |
| FEX | 66 | | | | | | | |
| EG | 67 | | | | | | | |
| NI | 68 | | | | | | | |
| PNU | 69 | | | | • | | | |
| TOTAL | 99 | 0 | 0 | 0 | 0 | 0 | 0 | |

Disease and Defect Form Farmed Deer

Premises RMP Identifier

Month – Year

Eg enter February 2012 as 2/12



Total number of carcasses examined

Total number of male deer examined

* Total number of male deer of which testicles have been examined

Including condemned carcasses

| | Number of Affected Deer | Number of Condemned Deer | Percentage Prevalence |
|--------------------------|----------------------------|-----------------------------|-----------------------|
| Arthritis_Infectious | | | |
| Arthritis_Non-infectious | | | |
| Bruises_Forequarter | | | iltatia |
| Bruises_Middle | | | |
| Bruises_Hindquarter | | | |
| Bruises | | | |
| Wounds | | | |
| E. granulosus | | | |
| ISL | | | |
| Neoplasms | | | |
| Peritonitis | | | |
| Pleaurisy_Broken rib | | | |
| Pleurisy_Other | | | |
| Pyogenic Lesions | | | |
| Septicaemia | | | |
| Tuberculosis | | | |
| Other Causes | | | |
| Orchitis/epididymitis | | | |

Note that the column with affected deer included condemned animals

Disease and Defect Form Feral Animals

| Premises No.: | | | | | | | | | | | | | | |
|-----------------------------------------------|----------|------|------|------|-----------|------|---------|------|------|------|-------|------|---------|------|
| Month Ending: | | | | | or Email: | | | | | | | | | |
| - | WILD DEE | R | | | WILD GO | DATS | CHAMOIS | 6 | THAR | | HARES | | RABBITS | |
| | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond |
| Exceeds Time Limit | | | | | | | | | | | | | | |
| No Viscera | | | | | | | | | | | | | | |
| Frozen | | | | | | | | | | | | | | |
| Farmed | | | | | | | | | | | | | | |
| Imperfect Bleeding | | | | | | | | | | | | | | |
| Decomposition | | | | | | | | | | | | | | |
| Emaciation | | | | | | | | | | | | | | |
| Contamination | | | | | | | | | | | | | | |
| Arthritis | | | | | | | | | | | | | | |
| Wounds and Bruises | | | | | | | | | | | | | | |
| Pyogenic Lesions | | | | | | | | | | | | | | |
| Neoplasm | | | | | | | | | | | | | | |
| Pleurisy | | | | | | | | | | | | | | |
| Tuberculosis | | | | | | | | | | | | | | |
| Septicaemic-Like lesions | | | | | | | | | | | | | | |
| Other Causes | | | | | | | | | | | | | | |
| Actino | | | | | | | | | | | | | | |
| Facial Eczema | | | | | | | | | _ | _ | | | | |
| Post Capture Myopathy | | | | | | | | | _ | _ | | | | |
| Elaphostrongylus Cervi | | | | | | | | | | _ | | | | |
| B. Ovis | | | | | | | | | | | | | | |
| Note: prevalence column includes condemned | | | | | | | _ | | | | | | | |
| Total Carcasses Examined | | |] [| |] [| | | | | | | | | |

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Disease and Defect Form Game Estate Animals

Premises No. Month Ending :

or Email:

| | GAME ESTATE DEER GAME ESTATE PIGS G | | GAME ESTATE GOATS | | GAME ESTATE CHAMOIS | | GAME ESTATE THAR | | | |
|--------------------------------------------|-------------------------------------|------|-------------------|------|------------------------|------|------------------|------|------|------|
| | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond | Prev | Cond |
| Exceeds Time Limit | | | | | | | | | | |
| No Viscera | | | | | | | | | | |
| Frozen | | | | | | | | | | |
| Farmed | | | | | | | | | | |
| Imperfect Bleeding | | | | | | | | | | |
| Decomposition | | | | | | | | | | |
| Emaciation | | | | | | | | | | |
| Contamination | | | | | | | | | | |
| Arthritis | | | | | | | | | | |
| Wounds and Bruises | | | | | | | | | | |
| Pyogenic Lesions | | | | | | | | | | |
| Neoplasm | | | | | | | | | | |
| Pleurisy | | | | | | | | | | |
| Tuberculosis | | | | | | | | | | |
| Septicaemic-Like lesions | | | | | | | | | | |
| Other Causes | | | | | | | | | | |
| Actino | | | | | | | | | | |
| Facial Eczema | | | | | | | | | | |
| Post Capture Myopathy | | | | | | | | | | |
| Elaphostrongylus Cervi | | | | | | | | | | |
| B. Ovis | | | | | | | | | | |
| Note: prevalence column includes condemned | | | | | | | | | | |
| Total Carcasses Examined | | | | | | | | | | |

Draft for Consultation 1.1

Cervine orchitis/epididymitis form

| | Number | of examine | d wild mal | e deer this | | | | | | |
|---|--------|------------------------------------------|-----------------------------------------------|-----------------|-----------|-----------|-----------|---------|--------------------------------------|----------|
| | | | | | If farmed | | | lf wild | | |
| | Date | Number of affected male deer | Numbe r of male deer in this line | Farmed /wild | Owner | Address_1 | Address_2 | Town | Area where animals were derived from | Comments |
| _ | | | | | | | | | | |
| - | | | | | | | | | | |
| + | | | | | | | | | | |
| | | 11 | f | | | | | | | |
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9 Appendix 2: Dispositions

| Disease or Defect | Details | Livestock class | Disposition | Parts of slaughtered animal | Comments |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|----------------------------------------------------|-------------------------------------------------|
| Abrasions | Small to head. | C | Condemn | Affected parts | Post-mortem examiner to pass, company to remove |
| | Multiple abscesses which could have resulted from a | | | | |
| Abscess | pyaemia are found. | Р | Condemn | All | See specific procedures |
| Abscess | Multiple bite abscesses without systemic involvement. | Р | Condemn | Affected parts | |
| Abscess | Local spread only (e.g. from a tail bite to the sacrum, or from a castration wound to the superficial inguinal lymph node). | Р | Condemn | Affected parts | |
| Abscess | Single abscess. | Р | Condemn | Affected tissues | |
| Abscess | Systemic spread. | CS | Condemn | All | |
| Abscess | Parts of the carcass only. | CS | Condemn | Affected parts | |
| Actinomycosis, Actinobacillosis | Localised. | С | Condemn | Affected organs and parts and corresponding nodes. | |
| Actinomycosis, Actinobacillosis | Numerous and widespread lesions with emaciation or oedema. | ns | Condemn | All | |
| Actinomycosis, Actinobacillosis | Any lymph node involvement in the head. | С | Condemn | Head and tongue | |
| Actinomycosis, Actinobacillosis | Lesion is in the jawbone only. | С | Condemn | Head | Tongue is fit for human consumption |
| Adenocarcinoma | Of the small intestine. | S | Condemn | All | See malignant neoplasms |
| Arthritis | Acute, with evidence of systemic involvement. | CPS | Condemn | All | |
| Arthritis | Acute with emaciation. | CPS | Condemn | All | |

| Disease or | | Livestock | | Parts of slaughtered | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Acute polyarthritis. Number of affected joints in more than | | | | |
| Arthritis | one limb or region. | CPS | Condemn | All | |
| Arthritis | Acute, localised and no systemic involvement. | CPS | Condemn | Affected joints or parts, and surrounding tissue together with associated lymph nodes if affected. | |
| Arthritis | Chronic localised or chronic polyarthritis. | CPS | Condemn | Affected joints or parts, and surrounding tissue together with associated lymph nodes if affected. | |
| Arthritis | Chronic localised or chronic polyarthritis and very poor carcass. | CPS | Pet food | All | Option to designate pet food instead of Render in toto |
| Ascaris Iumbricoides | Minor blemishes (milk spots). | Р | Condemn | Affected parts | |
| Ascaris lumbricoides | More extensive blemishes. | Р | Condemn | Liver | |
| BOSCC | Involvement of the osseous structure of the head with extensive infection, suppuration and necrosis. | | Condemn/ Pet Food | Affected parts / Rest | |
| BOSCC | Metastasis from the eye or orbital region to any of the lymph nodes, internal organs, muscles, skeleton or other structures, regardless of the ovtent of the primary tumour | С | Condemn/ Pet Food | Affected parts / Post | |
| | extent of the primary tumour. Is, regardless of extent, associated with cachexia or evidence of absorption or | | | Affected parts / Rest | |
| BOSCC | secondary changes. | С | Condemn | All | |

| Disease or | | Livestock | | Parts of slaughtered | |
|------------|---------------------------------------------------------|-----------|-------------|-----------------------|----------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Less severe than other | | | | |
| | described cases (see | | Render/ | | |
| | osseous structure and | | Human | | |
| BOSCC | metastasis). | С | consumption | Affected parts / Rest | |
| Bruises | Extensive or gangrenous. | С | Condemn | Carcass | |
| | Extensive with systemic | | | | |
| Bruises | involvement, or gangrenous. | CPS | Condemn | All | |
| Bruises | Major bruises | CPS | Condemn | Affected parts | |
| | | | | | Company responsibility, to be removed before |
| Bruises | Minor bruises | CPS | Condemn | Affected parts | entering chiller |
| | Systemic involvement (i.e. | | | | |
| | fevered or showing evidence | | | | |
| | of haematogenous spread) | | | | |
| | on carcass and or viscera | 0 | | A 11 | |
| CLA | examination. | S | Condemn | All | |
| | Poor carcass, soft wet | 0 | Condonan | A 11 | |
| CLA | lesions. | S | Condemn | All | |
| | Poor carcass, chronic | 0 | Det Feed | A 11 | Also :Excise all lesions and immediate surrounding |
| CLA | lesions. | S | Pet Food | All | tissue and condemn |
| Irot | Four or more extensive | hei | | TIOD | |
| | lesions, affecting most of a | | | | |
| | lymph node on carcass and viscera examination, soft wet | | лца | | |
| CLA | lesions. | S | Condemn | All | |
| | Four or more extensive | 3 | Condenin | | |
| | lesions, affecting most of a | | | | |
| | lymph node on carcass and | | | | |
| | viscera examination, chronic | | | | Also excise all lesions and immediate surrounding |
| CLA | lesions. | S | Pet Food | All | tissue and condemn |
| | Carcass/organ/viscera not | <u> </u> | | / 11 | |
| CLA | covered by other CLA criteria. | S | Condemn | Affected parts | |
| | | 5 | Sondonin | | |

| Disease or | | Livestock | | Parts of slaughtered | |
|----------------|--------------------------------------------------------------------------------------------------------------------|-----------|------------------------|------------------------|---------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| Contagious | | | | Heads excluding tongue | |
| ophthalmia | | S | Condemn | and brains | |
| | Haemorrhagic or | | | | |
| Enteritis | gangrenous. | CPS | Condemn | All | |
| Erysipelas | If signs of septicaemia. | Р | Condemn | All | |
| Friciality | If lesions are chronic without signs of septicaemia, e.g. vegetative endocarditis, chronic "diamond" skin | D | Condome | Affected figure | |
| Erysipelas | lesions, arthritis. | Р | Condemn | Affected tissue | |
| Facial eczema | Heads with photosensitivity lesions. | CS | Condemn | Affected organ | See Icterus |
| Facial eczema | Udders with photosensitivity lesions. | с | Condemn | Affected organ | See Icterus |
| Facial eczema | Carcass and viscera showing marked icterus. | CS | Condemn | Carcass and viscera | See Icterus |
| Facial eczema | Liver with extensive cirrhosis. | CS | Condemn | Liver | See Icterus |
| Facial eczema | Slightly affected liver. | S | Pet Food | Liver | See Icterus |
| Gangrene | Wet gangrene with systemic involvement. | CS | Condemn | All | |
| Grass seeds | A few isolated surface seeds. | s | Company responsibility | lion | |
| Grass seeds | Lesions containing pus. | S | Condemn | Affected tissue | |
| Grass seeds | Numerous grass seeds and penetrating seeds. | S | Condemn | Affected tissue | |
| Hydatids | | All | Condemn | Affected organs | Lab submission procedures apply |
| Hydronephrosis | Chronic, no systemic involvement. | S | Condemn | Kidney | |

| Disease or | | Livestock | | Parts of slaughtered | |
|---------------|---------------------------------|-----------|-------------|----------------------|--------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | When liver degeneration and | | | | |
| | a pronounced yellow or | | | | |
| | yellow/green discolouration | | | | |
| | not only of the fat but also of | | | | |
| | the cartilages, tendon | | | | |
| | sheaths, serous membranes | | | | |
| | and connective tissue | | | | Retaining of carcass and additional tests may be |
| Icterus | generally. | CPS | Condemn | All | required |
| | Ruminants, excluding deer, | | | | |
| | with six or more permanent | | | | |
| Kidneys | incisiors. | CS | Pet food | Kidneys | |
| | Cull velveting stags, fire | | | | |
| Kidneys | stags, cast for age hinds. | D | Pet Food | Kidneys | |
| | Pigs weighing over 80 kg with | | | | |
| Kidneys | the head on. | Р | Pet Food | Kidneys | |
| Kidneys | Horses, all ages. | Н | Pet Food | Kidneys | |
| | If there are signs of | | | | |
| Leptospirosis | septicaemia. | Р | Condemn | All | |
| | If no signs of systemic | | | | |
| Leptospirosis | involvement. | P | Condemn | Kidneys | |
| | Small amount of scar tissue, | | | | |
| | or localised cirrhosis, or | | | | |
| | telangiectasis or | | | | |
| | encapsulated areas of | | | | |
| Liver | necrotic tissue. | С | Condemn | Affected areas | Post-mortem examiner to check periodically |
| | Condition is more extensive | | | | |
| | than a small amount of scar | | | | |
| | tissue, or localised cirrhosis, | | | | |
| Liver | or telangiectasis. | С | Pet Food | Liver | |
| Liver | Less than one lymph node. | С | Pet Food | Liver | |
| Liver fluke | Severely affected. | CS | Condemn | Liver | |

| Disease or | | Livestock | | Parts of slaughtered | |
|----------------|--------------------------------------------------|-----------|-------------|------------------------|------------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| Liver fluke | Not severely affected. | CS | Pet food | Liver | |
| | There is a severe associated | | | | |
| Lungworm | pneumonia. | S | Condemn | Lungs | |
| | There are numerous shot- | | | | |
| Lungworm | like, pyogenic lesions. | S | Condemn | Lungs | |
| NA | Acute and with systemic | 0.00 | | A 11 | |
| Mastitis | involvement. | CPS | Condemn | All | |
| NA | Gangrenous with systemic | | | A 11 | |
| Mastitis | involvement. | С | Condemn | All | |
| NA | Chronic with no systemic | | | | |
| Mastitis | involvement. | С | Condemn | Udder and supramammary | |
| NA - 1-11 - | Acute and with systemic | 000 | Orandama | A.II. | |
| Metritis | involvement. | CPS | Condemn | All | |
| Matultia | Acute or purulent with | 0 | Condonan | A.II. | |
| Metritis | systemic involvement. | С | Condemn | All | |
| Matritia | Not acute and no systemic | | Candanan | Denneductive evetere | |
| Metritis | involvement. | С | Condemn | Reproductive system | |
| Muscle | Not general systemic | <u> </u> | Constant | | |
| degeneration | disease. | S C | Condemn | Affected muscles | |
| Muscle disease | Not systemic disease. | | Condemn | Affected parts | |
| Maanlaam | Carcass with metastasis in | CPSB | Candama | All | |
| Neoplasm | carcass or viscera. | UP3D | Condemn | All | |
| Neepleem | Organ or viscera, with metastasis in carcass. | CSB | Condemn | All | |
| Neoplasm | | CSB | Condemn | All | |
| Neoplasm | Organ, with metastasis to the | Р | Condemn | All | |
| Neopiasiti | carcass. | Г | Condenin | Neoplasm and affected | |
| Neoplasm | Benign. | CPSB | Condemn | surrounding tissue. | |
| πευμιασιτι | Chronic, no systemic | | | | |
| Nephritis | involvement. | CS | Condemn | Kidney | |
| Odour | Abnormal. | CPS | Condemn | Carcass | Additional testing may be required (in detain cage) |
| | | 010 | Jonuenin | 0010033 | radiational testing may be required (in detain bage) |

| Disease or | | Livestock | | Parts of slaughtered | |
|--------------|------------------------------------------------|-----------|-------------|-----------------------|-----------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Boars with very pronounced | | | | |
| Odour | male odour. | Р | Condemn | All | |
| Oedema | Generalised. | CS | Condemn | All | |
| | Localised but accompanied | | | | |
| Oedema | by emaciation. | С | Condemn | All | |
| a . | Localised and rest the | | | | |
| Oedema | carcass is normal. | CS | Condemn | Affected tissue | |
| A 1 | | | | 011 | Carcass can be detained, carcass disposition |
| Oedema | If in doubt. | S | Pet Food | Offal | elsewhere |
| | Not harmful to humans, Can | | | | |
| Parasites | be completely removed, Not | All | Pet Food | Affected parts | |
| Parasiles | numerous, localised. Not harmful to humans, | All | PelFood | Affected parts | |
| | numerous parasitic lesions, | | | | |
| | removal renders carcass | | | | |
| Parasites | unsightly. | All | Pet Food | Carcass | |
| | | 7.41 | 1 ot 1 ocu | | No specific action required if removal occurs by |
| Pentastomes | Mesenteric lymph nodes. | С | Condemn | Affected lymph nodes | normal stripping procedures |
| | Acute, with fever or | | | | |
| Pericarditis | septicaemia, | C | Condemn | All | |
| | Purulent, with evidence of | | | | |
| Pericarditis | systemic infection. | C | Condemn | All | |
| | | | | Heart and surrounding | |
| Pericarditis | Chronic. | CB | Condemn | tissue | |
| | Acute or diffuse with | | | | |
| Peritonitis | septicaemic-like lesions | CPS | Condemn | All | |
| | Chronic affecting organs or | | | | Strip chronic peritonitis under MPI or AsureQuality |
| Peritonitis | viscera | С | Condemn | Affected parts | supervision |
| | Xanthosis and melanosis | | | | |
| D:: | affecting bones, muscles and | 000 | | 0 | |
| Pigmentation | fat tissue generally. | CPS | Pet Food | Carcass | |
| Disease or | | Livestock | | Parts of slaughtered | | | | | |
|--------------|------------------------------------------------------|-----------|-------------|----------------------|---------------------------------------------|--|--|--|--|
| Defect | Details | class | Disposition | animal | Comments | | | | |
| | Xanthosis and melanosis, | | | | | | | | |
| Pigmentation | localised. | С | Condemn | Affected parts | | | | | |
| | Localised melanosis or seedy | | | | | | | | |
| Pigmentation | cut. | SP | Condemn | Affected parts | | | | | |
| | Oesophagostome larvae in | | | | | | | | |
| Dimply aut | small intestine, caecum and colon. Numerous lesions. | С | Condemn | Runners | Paunch may be saved for human consumption | | | | |
| Pimply gut | Oesophagostomum | 0 | Condenin | Ruilleis | Paulicit may be saved for human consumption | | | | |
| | venulosum, | | | | | | | | |
| | Oesophagostomum | | | | | | | | |
| Pimply gut | columbianum. | S | Condemn | Intestines | | | | | |
| 170 | Acute or diffuse with | | | | | | | | |
| | evidence of systemic | | | | | | | | |
| Pleurisy | involvement. | CPB | Condemn | All | Veterinary disposition | | | | |
| | Acute, no signs of systemic | | | | | | | | |
| Pleurisy | involvement. | CP | Condemn | Affected parts | To be performed by stripping | | | | |
| | Chronic, no signs of systemic | 0.5 | | | | | | | |
| Pleurisy | involvement | СР | Condemn | Affected parts | Stripping | | | | |
| | Pleura are hyperaemic and | | | | | | | | |
| Pleurisy | there are obvious signs of systemic involvement. | s | Condemn | All | | | | | |
| r ieurisy | Pleura are hyperaemic and | 3 | Condenin | | | | | | |
| | there are NO obvious signs of | | | | | | | | |
| Pleurisy | systemic involvement. | S | Retain | | Retain for veterinary disposition | | | | |
| 1 louiloy | Fibrous adhesions to the | | | | | | | | |
| | pleura, thickened involvement | | | | | | | | |
| | and/or purulent pleura and | | | | | | | | |
| | other pleural lesions including | | | | | | | | |
| | 'wipeouts', no systemic | | | | | | | | |
| Pleurisy | involvement. | S | Condemn | Affected parts | | | | | |

| Disease or | | Livestock | | Parts of slaughtered | |
|------------------|--------------------------------|-----------|-------------|-----------------------|-------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Acute pneumonia with | | | | |
| | evidence of systemic | | | | |
| Pneumonia | involvement. | CPSB | Condemn | All | |
| Pneumonia | Gangrenous. | CPS | Condemn | All | |
| Pyaemia | | CPSB | Condemn | All | |
| | Chronic, no systemic | | | | |
| Pyelonephritis | involvement. | С | Condemn | Kidney | |
| Retention cysts | Congenital. | С | Condemn | Cysts | Kidney for local market |
| | Lesions such as abscesses, | | | | |
| Rumino-reticular | actinobacillosis and traumatic | | | | |
| junction | reticulitis. | С | Condemn | Paunch and intestines | |
| Salmonellosis | | CPSB | Condemn | All | See manual 11 |
| | Obviously visible and | | | | |
| Sarcocysts | generalised. | С | Pet Food | All | |
| | Obviously visible but light | | | | |
| Sarcocysts | and/or localised. | С | Pet Food | Affected tissue | |
| Septicaemia | | CPSB | Condemn | All | |
| Stephanurus | Kidney worm minor | | | | |
| dentatus | blemishes (milk spots). | Р | Condemn | Affected parts | |
| Stephanurus | | 60 | | tion | |
| dentatus | More extensive lesions. | Р | Condemn | Liver | |
| Stephanurus | Perirenal fat, Sublumbar | | | | |
| dentatus | muscles. | Р | Condemn | Affected tissue | |
| Suppurating | | | | | |
| lesions | | С | Condemn | Affected parts | |
| T. hydatigena | Grossly affected livers. | S | Condemn | Liver | |
| T. hydatigena | More than six minor lesions. | S | Pet food | Liver | |

| Disease or | | Livestock | | Parts of slaughtered | |
|-------------------|----------------------------------------------------------|-----------|-------------|----------------------|----------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Requiring up to six minor | | | | |
| | trims. Trims should be | | | | |
| | shallow and not larger in | | | | |
| | diameter than a 50 cent | | | | |
| T. hydatigena | piece. | S | Condemn | Affected tissue | |
| | Carcass judgement. More | | | | |
| | than 5 cysts in skeletal | | | | |
| | muscles excluding the | | | | |
| T. ovis | diaphragm. | S | Pet food | Carcass | |
| - · | In the heart, tongue or | | | | |
| T. ovis | diaphragm. | S | Pet food | Affected organ | |
| T. ovis | Head and tongue. | S | | | See head and tongue judgements |
| | < 3 cysts in the musculature | | | | |
| | of the carcass, head and | | | | |
| Terringto | tongue but excluding the | 0 | F | Maat | Deceden Jaharatan, was die |
| T. saginata | heart. | С | Freeze | Meat | Based on laboratory results |
| | > 2 cysts in the musculature of the carcass, head and | | | | |
| | tongue but excluding the | | | | |
| T. saginata | heart. | С | Condemn | All | Based on laboratory results |
| T. solium | | P | Condemn | All | Based on laboratory results |
| Trichinosis | | P | Condenin | | See system |
| THCHINOSIS | When exhibiting signs of | | | | |
| | chronic mastitis, | | | | |
| | botriomycosis, actinomycosis | | | | |
| Udder | or seedy cut or milk. | Р | Condemn | Udder | |
| Uraemia | | CPS | Condemn | All | |
| Wool pull defects | See bruises major or minor. | S | | | |
| Wounds | | P | Condemn | Affected parts | |
| Bites | Small to head. | C | Condemn | Affected parts | Post-mortem examiner pass, company to remove |
| Abrasions | Part of the carcass only. | CP | Condemn | Affected parts | |

| Disease or | | Livestock | | Parts of slaughtered | |
|--------------|-------------------------------------------|-----------|-------------|----------------------|------------------|
| Defect | Details | class | Disposition | animal | Comments |
| Emaciation | | CSB | Condemn | All | |
| | Active inflammatory condition, neoplasms, | | | | |
| | trauma, erosions scars, | | | | |
| Pizzle | haematoma. | CS | Condemn | Pizzle | |
| | Inflammation, tumours, | | | | |
| | abscesses or lymph node | | | | |
| | pathology, or purulent | | | | |
| | discharge in the trachea or | - | | | |
| Lungs | bronchi. | С | Condemn | Lungs | |
| | Adhesions indicative or | | | | |
| Lungs | resolved minor pleurisy. | С | Condemn | Affected parts | |
| | See disposition of lungs, save | | | | |
| | trachea for edible purposes | | | | |
| Trachea | where the lung set meets edible criteria. | CS | | | |
| Bruises | Extensive. | C | Condemn | Carcass | |
| Diuises | Edible from skin-on animals, | 0 | Condenin | | |
| | scar tissue without active | | | | |
| | inflammation and no | | | | |
| Lungs | evidence of thoracic exudate. | PG | Pet Food | Lungs | |
| Sarcocysts | Generalised. | S | Pet Food | All | |
| Sarcocysts | Less severe or localised. | S | Pet Food | Affected tissue | |
| Peritonitis | Chronic. | S | Condemn | Peritoneum | Company to strip |
| | Severe pneumonia or large | | | | |
| Lungs | and/or multiple abscesses. | S | Condemn | Lungs | |
| | Any tuberculous lesion which | | | | |
| | is acute and actively | | | | |
| Tuberculosis | progressive. | CD | Condemn | All | |

| Disease or | | Livestock | | Parts of slaughtered | |
|--------------|---------------------------------|-----------|-------------|-------------------------|----------|
| Defect | Details | class | Disposition | animal | Comments |
| | The lesions are generalised, | | | | |
| | ie when they are distributed | | | | |
| | in a manner made possible | | | | |
| Tuberculosis | by haematogenous spread. | CD | Condemn | All | |
| Tuberculosis | There is associated cachexia. | CD | Condemn | All | |
| | A lesion is found in any part | | | | |
| | of the carcass, liver or spleen | | | | |
| Tuberculosis | but not including the head. | CD | Condemn | All | |
| | The lesions are extensive in | | | | |
| | the tissue of either the | | | | |
| | thoracic or abdominal | | | | |
| Tuberculosis | cavities, including "grapes". | CD | Condemn | All | |
| Tuberculosis | Head Inn. | CD | Condemn | Head, tongue | |
| Tuberculosis | Mesenteric Inn. | CD | Condemn | Abdominal viscera | |
| | | | | Carcass, head, tongue, | |
| Tuberculosis | Hepatic Inn. | CD | Condemn | viscera | |
| Tuberculosis | Bronchial Inn. | CD | Condemn | Pluck | |
| Tuberculosis | Mediastinal Inn. | CD | Condemn | Pluck | |
| | | | | Head, tongue, abdominal | |
| Tuberculosis | Head Inn Mesenteric Inn. | CD | Condemn | viscera | |
| Tuberculosis | Head Inn, Bronchial Inn. | CD | Condemn | Head, tongue, pluck | |
| | Head Inn, Mesenteric Inn, | | ИЦА | Head, tongue, abdominal | |
| Tuberculosis | Bronchial Inn. | CD | Condemn | viscera, pluck. | |
| | Head Inn, Mesenteric Inn, | | | Head, tongue, abdominal | |
| Tuberculosis | Mediastinal Inn. | CD | Condemn | viscera, pluck. | |
| | Head Inn, Mesenteric Inn, | | | | |
| | Bronchial Inn, Mediastinal | | | Head, tongue, abdominal | |
| Tuberculosis | Inn. | CD | Condemn | viscera, pluck | |
| | | | | Abdominal viscera, | |
| Tuberculosis | Mesenteric Inn, Bronchial Inn. | CD | Condemn | thoracic viscera | |

| Disease or | | Livestock | | Parts of slaughtered | |
|--------------|--------------------------------|-----------|-------------|----------------------|------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Mesenteric Inn, Mediastinal | | | Abdominal viscera, | |
| Tuberculosis | lnn. | CD | Condemn | thoracic viscera | |
| | Mesenteric Inn, Bronchial Inn, | | | Abdominal viscera, | |
| Tuberculosis | Mediastinal Inn. | CD | Condemn | thoracic viscera | |
| | Bronchial Inn, Mediastinal | | | | |
| Tuberculosis | Inn. | CD | Condemn | Thoracic viscera | |
| Tuberculosis | Precrural Inn. | CD | Condemn | All | |
| Tuberculosis | Popliteal Inn. | CD | Condemn | All | |
| Tuberculosis | Anal Inn. | CD | Condemn | All | |
| | Inguinal or Supramammary | | | | |
| Tuberculosis | Inn. | CD | Condemn | All | |
| Tuberculosis | Ischiatic Inn. | CD | Condemn | All | |
| Tuberculosis | lliac Inn. | CD | Condemn | All | |
| Tuberculosis | Lumbar Inn. | CD | Condemn | All | |
| Tuberculosis | Renal Inn. | CD | Condemn | All | |
| Tuberculosis | Sternal Inn. | CD | Condemn | All | |
| Tuberculosis | Prepectoral Inn. | CD | Condemn | All | |
| Tuberculosis | Prescapular Inn. | CD | Condemn | All | |
| Tuberculosis | Atlantal Inn. | CD | Condemn | Head, tongue | |
| Tuberculosis | Any lesion. | SD | Condemn | All | |
| | Liver, spleen, kidneys and/or | | | | Lesions in the peripheral lymph nodes eg |
| | associated Inn, which is | | ица | | prescapular, precrural, superficial inguinal/ |
| | acute/invasive and the source | | | | supramammary and popliteal lymph nodes are not |
| Tuberculosis | of septicaemia/bacteriaemia. | Р | Condemn | All | necessarily of haematogenous spread. |
| | Lesions at multiple tissue | | | | |
| | sites, and one (or more) | | | | |
| | occur in the liver, spleen, | | | | |
| | kidneys and/or associated | | | | |
| Tuberculosis | lymph nodes. | Р | Condemn | All | |

| Disease or | | Livestock | | Parts of slaughtered | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| Tuberculosis | Lesions are extensive in either the thoracic and/or the abdominal cavities. | P | Condemn | All | |
| Tuberculosis | Concurrent presence of cachexia. | P | Condemn | All | |
| Tuberculosis | Organ or part or corresponding lymph nodes. | Р | Condemn | Affected organs or parts | |
| Tuberculosis | Head Inn. | Р | Condemn | Lesion and adjacent Inn | If cannot be removed without contamination of surrounding tissue condemn head. |
| Tuberculosis | Lung Inn | Р | Condemn | Lungs | Heart and liver also condemn if not separated from pluck prior to examination and cross-contamination has occurred subsequent to evisceration. |
| Tuberculosis | Mesenteric Inn | Р | Condemn | Intestines and mesentery | Other GI tissues condemned if contamination has occurred subsequent to evisceration. |
| Tuberculosis | Carcass Inn, not involving surrounding tissue. | Р | Condemn | Affected Inn | |
| Tuberculosis | Carcass Inn and extension involving surrounding tissue. | Р | Condemn | Affected part of the carcass | |
| Tuberculosis reactor | No lesions. | CD | As tuberculous meat | tion | |
| Suppurating lesions | Lesions with systemic involvement. | C | Condemn | Carcass | |
| Mastitis | Chronic mastitis. | Р | Condemn | Udder | |
| | Active inflammatory condition, including inflammation of the epididymus, chronic inflammatory condition of the epididymus, neoplasms, | | | | |
| Testicle | haematoma. | All | Condemn | Affected organ | |

| Disease or | | Livestock | | Parts of slaughtered | |
|-----------------|------------------------------------------------|-----------|-------------|----------------------|--------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| Neoparasec | | | | | |
| lesion | | CSG | Condemn | Affected parts | |
| | Haemorrhagic, gangrenous | | | | |
| | and other acute | | | | |
| Inflammation | inflammations of the GI tract. | В | Condemn | All | |
| Pneumonia | Subacute, localised. | В | Condemn | Lungs | |
| Pleural lesions | Non-infected due to trauma. | В | Condemn | Affected parts | |
| | Acute inflammation and | | | | |
| | infection, including localised | | | | |
| | infectious arthritis and | | | | |
| A (1)() | infectious polyarthritis. | _ | | A.II. | |
| Arthritis | Excludes traumatic lesions. | В | Condemn | All | Excludes uncomplicated lesions |
| | Acute, includes conditions | | | | |
| Nanhultin | with hyperaemic haloes | D | Condonan | A II | |
| Nephritis | around white spots on cortex. | В | Condemn | All | |
| Inflammation | Acute, eg fibrinous peritonitis | Р | Candoma | All | |
| iniiammation | and acute hepatitis. Non-infectious such as | В | Condemn | All | |
| | | | | _ | |
| Generalised | jaundice, malignant neoplasms, generalised | | | | |
| conditions | melanosis. | в | Condemn | All | |
| Conditions | When lesions affect the | В | Condemin | | |
| | majority of the muscle | | | | |
| | masses in the hind and | | | | |
| | forequarters to a depth | | | | |
| | exceeding0.5 cm into | | | | |
| Bruises | musculature. | В | Condemn | All | |
| | With secondary carcass | | | | |
| | changes (eg oedema or | | | | |
| Bruises | generalised hyperaemia). | В | Condemn | All | |

| Disease or | | Livestock | | Parts of slaughtered | | | | | |
|------------------|-------------------------------------------------------|-----------|-------------|------------------------|------------------------------------------------------|--|--|--|--|
| Defect | Details | class | Disposition | animal | Comments | | | | |
| | Includes musculature which | | | | | | | | |
| | is loose and flabby, | | | | | | | | |
| | generalised | | | | | | | | |
| | underdevelopment of the | | | | | | | | |
| | musculature, minimal fat | | | | | | | | |
| | deposits which appear | | | | | | | | |
| Immaturity | brownish-red, gelatinous and oedematous. | В | Condemn | All | Vells may be saved under conditions specified in IS6 | | | | |
| ininaturity | Enlargement of the navel with | D | Condenin | All | Vens may be saved under conditions specified in 150 | | | | |
| | no infection of the umbilical | | | | | | | | |
| | vessels or associated | | | | | | | | |
| | peritonitis. With or without a | | | | | | | | |
| | small amount of inflammation | | | | | | | | |
| | in the immediate area of the | | | | | | | | |
| Navel III | navel. | В | Condemn | Affected parts | | | | | |
| | Infection of one or more of | | | | | | | | |
| | the umbilical vessels. Acute | | | | | | | | |
| | inflammation and/or active | | | | | | | | |
| | infection extending the total | _ | | All | | | | | |
| Omphalophlebitis | length of any vessel remnant | В | Condemn | All | | | | | |
| | Infection of one or more of | | | | | | | | |
| PIUI | the umbilical vessels. Peritonitis associated with | | ЛЦА | | | | | | |
| | infection of an umbilical | | | | | | | | |
| Omphalophlebitis | vessel. | В | Condemn | All | | | | | |
| | Infection of one or more of | | Condonin | 7 WI | | | | | |
| | the umbilical vessels. | | | | | | | | |
| | Resolved fibrous | | | | | | | | |
| | enlargement extending the | | | | | | | | |
| | total length of any vessel | | Condemn/Pet | | | | | | |
| Omphalophlebitis | remnant. | В | food | Affected parts / Liver | | | | | |

| Disease or | | Livestock | | Parts of slaughtered | |
|------------------|----------------------------------------------|-----------|-------------|------------------------|---------------------------------------------------|
| Defect | Details | class | Disposition | animal | Comments |
| | Infection of one or more of | | | | |
| | the umbilical vessels. Acute | | | | |
| | inflammation and/or active | | | | |
| | infection not extending the | | | | |
| | total length of any vessel | | Condemn/Pet | | |
| Omphalophlebitis | remnant. | В | food | Affected parts / Liver | |
| Vell | Diseased. | В | Condemn | Vell | |
| Kidneys | White Spotted. | В | Condemn | Affected kidneys | |
| | Hepatic, which are not | | | | |
| | surrounded by hyperaemic | | | | |
| | halos, where there is no | | | | |
| | swelling of the liver or | | | | |
| | associated lymph nodes, and | | | | |
| | no involvement of other | _ | | | |
| Abscess | organs. | В | Condemn | Affected parts | |
| . . | If not warranting total | _ | | | |
| Bruises | condemnation. | В | Condemn | Affected parts | |
| | Superficial haematomas in | | | | |
| | the pelvic area, resulting from | | | (* · | |
| Irott | ineffective closure of the | 500 | | | |
| Haematomas | umbilical arteries. | В | Condemn | Affected parts | |
| ZIUI | Non-infectious rare conditions | | | | |
| | affecting part of the carcass, | | | | |
| | such as melanosis, umbilical | | | | |
| Miscellaneous | hernias, and localised white muscle disease. | В | Condemn | Affected parts | |
| wiscellaneous | Inflammation, tumours or | D | Condenin | Affected parts | |
| | abscesses or any other | | | | |
| | diseases and defects that | | | | Notwithstanding the condemnation requirement, may |
| | make it unsuitable for human | | | | be saved for human consumption after trimming |
| Lungs | consumption. | 1 | Condemn | Lungs | adhesions indicative of resolved minor pleurisy. |
| Lungo | oonsumption. | L | Condenin | Lango | autosions indicative of resolved minor pieurisy. |

| Disease or Defect | Details | Livestock class | Disposition | Parts of s animal | slaughtered | Comments |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------|----------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| | Pleural scar tissue if no active inflammation or thoracic | | | | | |
| Lungs | exudate. | L | Pet Food | Lungs | | |
| | After removal of any | | | | gue, heart, all | Special lab submission and other procedures apply |
| T. saginata | suspected cyst. | С | Condemn | other offa | l and viscera. | (see Section 4.2). |
| Fat necrosis | | All | Condemn | Affected p | parts | |
| In a few cases affected are de column as well and defects. F lungs, trachea, | escribed in this as diseases or example | B- Bobby ca C- Cattle H- Horses P- Pigs L- Lambs | tock classes lives ambs, adult sheep | 5 | both "Dispositio slaughtered ani before (after) "/" corresponds wit | has been used in n" and "Parts of mal". The text ' in "Disposition" th the text before rts of slaughtered |

Additional dispositions for Sheep/Goats and Lambs:

Carcasses with:

- broken, but healed ribs,
- non-active pleural adhesions and/or scar tissue,
- incidental missing superficial lymph nodes under options 2 and 3,

are passed for human consumption

Tb Surveillance & Submission Report

| TB SURVE | ILLÆ | NCE | & SI | JBM | IISS | SION | FOR | М | | | Â | | Charge AgriC MAF- | uality | |
|---------------------------------------------|----------------------|-------------|-----------|----------|----------|------------|---------------|---------|------------|-------|-------------------------|----------------|-------------------------|---------|----------|
| | | | | | | | | | | • AN | MAL HEALTH B | MED . | Asure | 0254.52 | |
| Bovine/Cervir | o Tul | herculo | cic | | POB | ox 3412, A | 1977 - Calori | | Survey and | | eet, Wellin (04)473- | Second and the | | | |
| Use for cattle or dee | | | | and for | all Tb I | Reactors. | | | | | | | | | |
| Submitter | | | | | | | Owne | er | | | | | | | |
| Address | Address | | | | | | Addro | 255 | | | | | | | |
| Phone [Office] | Phone [Office] [Fax] | | | | | | AHB | Herd No | ./MINI | DA No | | | | | |
| Surveillance D | \-+- | | | | | | | | | | | | | | 25 |
| Premises Licence N | | ughter Dat | e | No. in | Line | No. with | Lesions | Speci | es | | Slaughter | Class | Dá | ate Sam | ple Sent |
| | | | | | | | | Dairy | | 1 | Reactor | | | | |
| | | | | | | | | Beef | | - | Non-Reacto | r | | | |
| | | | | | | | | Other | s | | Wild/Feral | | | | |
| Kill No. | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | |
| Official Reactor Id | | | | | | | | | | | | | | | |
| Animal Id | | | | | | | | | | | | | | | |
| Sex Age | | - | 2 | | | _ | | | | | | | | | |
| ss Typical Ti gnosis Equivocal Ti NVI | b T b E . N | | | | | | 1 | | | | | l. | | | |
| Retropharyngeal | Lesi | ion Sample | Culture | Lesion | Sample | e Culture | Lesion | Sample | Culture | Lesio | n Sample | Culture | Lesion | Sample | Culture |
| Submaxillary | B | | | | | | | | | | | | | | |
| Parotid Atlantal | C D | | | | | | | | | | | | | | |
| Mediastinal | E | | | | | | | | | | | | | | |
| Tracheo bronchial | F | | | | | | | | | | | | | | |
| Apical Ileo caecal | G H | | | | | - | | | | | - | | | | |
| lleo jejunal | <u></u> | | | | | | | | | 1 | | | | | |
| Prescapular | 1 | | | | | | | | | | | | | | |
| Liver Lung | K L | | | | | | | | | | | | | | |
| Skin Other | м | | | | - | - | | | | | | | | | |
| Other lesions | | | | | | | | | | | | | | | |
| Technical Superviso | or/Off-C | ihain Super | visor: st | amp/sig | nature | e/date | | | | | | | 1 | | |
| Pathologist | | Date/Time | Sample I | Received | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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