



ANIMAL HEALTH AND WELFARE WORKSHEETS

Indonesia Biosecurity
Support Project



AUSVET

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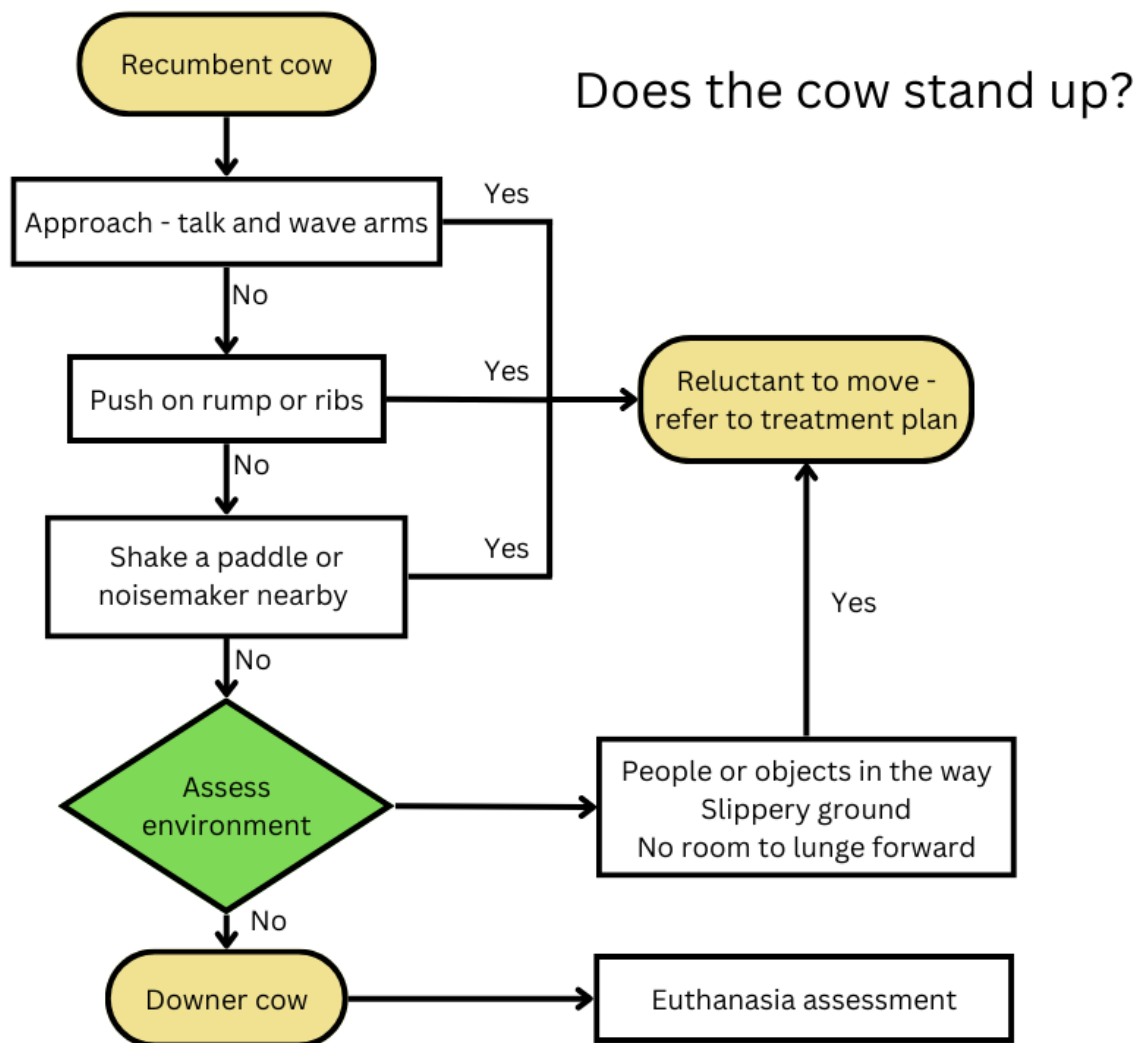


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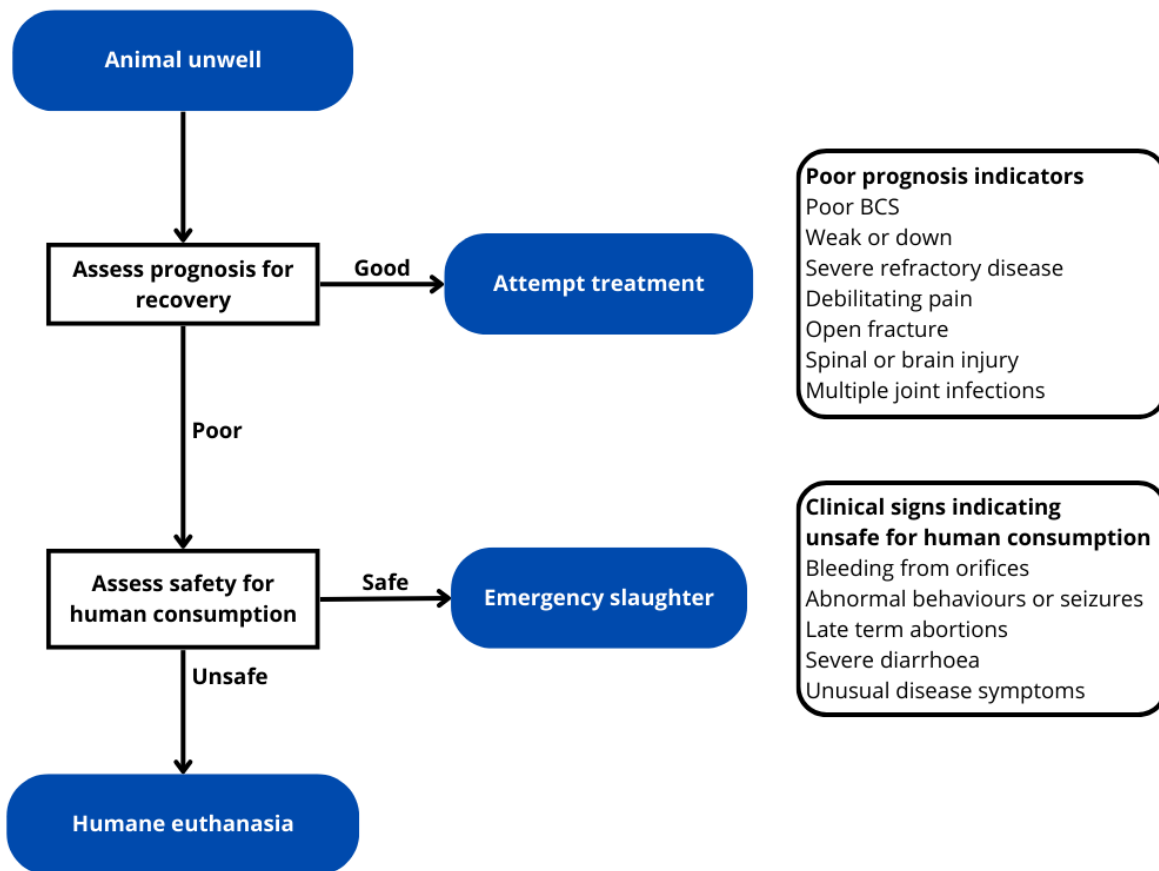
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1 Downer cow assessment



2 Euthanasia assessment



3 Vaccine storage and inventory sheet

Vaccine	Units (no. bottles, mL)	Batch no.	Expiry	Disposal due	Disposed (sign)



4 Fridge temperature monitoring sheet

Date	Min. temp	Max. temp	Initial	Comments	Actions to be taken



5 Vaccine safety SOP

5.1 Needle safety

1. Use a new needle for each vaccine program. Select the right length for IM (>1.5”) or SC (0.5-0.75”) injections.
2. Ensure the injection site is clean prior to injection; wipe with a paper towel if not clean.
3. Replace needles that have become blunt or contaminated, or as directed by a veterinarian.
4. Dispose of used needles in a sharps container.

5.2 Administering the vaccine

1. Reduce the likelihood of slipping, since the majority of needlestick injuries from animal vaccination occur in the non-dominant hand when the animal jumps away.
2. Use one hand and keep the other well away.
3. Restrain the animals well, either using a crush or by filling the race appropriately.
4. Do not tent the skin! If subcutaneous injection is required, select an appropriate length of needle instead.
5. If the needle breaks during administration, remove the needle with a set of pliers (not hands) and dispose in a sharps container. If the needle cannot be retrieved the animal must be condemned as its carcass may contain the needle at slaughter.

5.3 Accidental needlestick injury

1. If accidental needlestick injury occurs with a mineral oil based product:
 - a. Wash the area immediately with warm soapy water.
 - b. Allow the lesion to bleed freely while gently holding a gauze to the area to reduce mess.
 - c. Seek medical attention IMMEDIATELY to prevent the loss of a finger.
 - d. Bring the product data sheet with you to the physician as they will need to know the contents of the vaccine to treat you appropriately.
2. If accidental needlestick injury occurs with a non-mineral oil based product:
 - a. Wash the area immediately with warm soapy water.
 - b. Reduce bleeding by applying pressure and gently bandaging.
 - c. Seek medical attention as soon as practical to prevent secondary infections and injuries.
 - d. Bring the product data sheet with you to the physician as they will need to know the contents of the vaccine to treat you appropriately.



6 Vaccine protocol SOP guide

This tool can be used for both FMD and LSD vaccination standard operating procedures (SOP), ensuring easy access to instructions for staff engaged in vaccine programs.

Vaccine name

(Please write vaccine name here)

Vaccine location and dose

(Please enter here)

Location (IM/SC, site): _____

Dose (mL): _____

Vaccine booster dose

(Please enter here)

1st: _____

2nd (if applicable): _____

Safety considerations for vaccine

(Please refer to Animal Health and Welfare Manual for details)

Cold chain device for vaccination program

(Please refer to Animal Health and Welfare Manual for details)

Injection materials used on site

(Please refer to Animal Health and Welfare Manual for details)

Recording system for vaccination (including animal ID, date, batch no. and expiry)

(Please enter name of system below)

Based on the above responses, please use the table below as a template for creating a vaccine protocol SOP for your staff.



Vaccination standard operating procedures for [insert feedlot name here]

Vaccine	Equipment needed	Job steps	Safety and handling
FMD	[Insert vaccine name here] Cooler box [Insert names of injection materials here]	<ol style="list-style-type: none"> 1. Remove [vaccine name] from vaccine fridge and place in cooler box 2. Prepare [injection materials] for use 3. For each animal: restrain appropriately prior to vaccination 4. For each animal: [vaccine location and dose here] and record their data in [recording system] 5. Repeat at [booster dose] 	<p>Safety [Insert safety instructions here]</p> <p>Handling Ensure vaccine remains between 2–8 degrees at all times</p>
LSD	[Insert vaccine name here] Cooler box [Insert names of injection materials here]	<ol style="list-style-type: none"> 1. Remove [vaccine name] from vaccine fridge and place in cooler box 2. Prepare [injection materials] for use 3. Reconstitute vaccine as needed; avoid reconstituting all bottles in advance 4. For each animal: restrain appropriately prior to vaccination 5. For each animal: [vaccine location and dose here] and record their data in [recording system] 	<p>Safety [Insert safety instructions here]</p> <p>Handling Ensure vaccine remains between 2–8 degrees at all times. Keep out of direct sunlight. Dispose of all unused doses 4–6 hours after reconstitution.</p>



7 FMD vaccine selection tool

What strain of FMD is circulating?

(Please circle or write your answer below)

O/ME-SA/Ind2001e

Other: _____

Does the vaccine cover the same serogroup as the circulating strain?

(Please select your answer)

Yes

No

Not sure

Does the vaccine cover the strain with an $r1 > 0.3$ or EPP > 75%?

(Please select your answer)

Yes

No

Not sure

What species will you be vaccinating?

(Please select the species you wish to vaccinate)

Cattle

Buffalo

Small ruminants

Pigs

Will you need to vaccinate calves of vaccinated mothers at <2.5 months of age?

(Please select your answer)

Yes

No

Not sure

If you have answered “Not sure” to any of the above, please contact Ausvet Indonesia at feedlot.biosecurity@ausvet.com.au for further guidance.

Based on the responses, refer to the below table to determine the appropriate vaccine for your needs.

Vaccine	Covers Ind2001e	Species	Suitable for calves <2.5 months old
Aftopor (Boehringer Ingelheim)	Yes	Cattle, buffalo, pig, sheep and goats	No
Aftogen Oleo (Elanco)	Yes	Cattle, buffalo, pig, sheep and goats	Yes
Aftomune (CEVA)/ Aftrosa (Ourofino)	Yes	Cattle and buffalo	Yes
CAVac FMD (China Agricultural Vet.Bio.science and Technology Co Ltd)	Not available	Not available	Not available



8 FMD treatment plan

FMD triage guide for [insert feedlot name here]

Clinical sign	Mild	Moderate	Severe
Mobility score			
Appetite			
Behaviour/mentation			
Vesicular lesions			

FMD treatment plans for [insert feedlot name here]

	Mild	Moderate	Severe
Supportive care			
Increased checks			
Foot dips			
Pain relief			
Antibiotics			
Downer cow assessment			

FMD treatments for [insert feedlot name here]

Treatment	Indication(s)	Instructions



9 LSD vaccine selection tool

How many animals do you plan to vaccinate in one day?

(Please write your answer below)

Using the table below, determine how many bottles you will need for the vaccine program.

Number of cattle to vaccinate	Bottles needed (wasted doses)		
	Lumpyvax (20 mL)	Lumpyvax (100 mL)	MEVAC LSD (10 mL)
10	1 (10)	1 (90)	1 (0)
20	1 (0)	1 (80)	2 (0)
40	2 (0)	1 (60)	4 (0)
60	3 (0)	1 (40)	6 (0)
80	4 (0)	1 (20)	8 (0)
100	5 (0)	1 (0)	10 (0)
120	6 (0)	2 (80)	12 (0)
140	7 (0)	2 (60)	14 (0)
160	8 (0)	2 (40)	16 (0)
180	9 (0)	2 (20)	18 (0)
200	10 (0)	2 (0)	20 (0)
220	11 (0)	3 (80)	22 (0)
240	12 (0)	3 (60)	24 (0)
260	13 (0)	3 (40)	26 (0)
280	14 (0)	3 (20)	28 (0)
300	15 (0)	3 (0)	30 (0)



10 LSD treatment plan worksheet

LSD triage guide for [insert feedlot name here]

Clinical sign	Mild	Moderate	Severe
Mobility score			
Appetite			
BCS			
Behaviour/mentation			
Nodular lesions			
Secondary complications			

LSD treatment plans for [insert feedlot name here]

	Mild	Moderate	Severe
Supportive care			
Increased checks			
Pain relief			
Antibiotics			
Downer cow assessment			
Euthanasia assessment			

LSD treatments for [insert feedlot name here]

Treatment	Indication(s)	Instructions

