

MENINGEAL SWAB



CONSIDERATIONS:

- CONSULT WITH A DIAGNOSTICIAN ON APPROPRIATE SWAB AND TRANSPORT MEDIA
- IF SAMPLES ARE TESTED BY PCR, DO NOT USE SWABS WITH AGAR
- PREFERRED EUTHANASIA METHODS ARE ELECTROCUTION, EUTHANASIA SOLUTION, AND CO₂
- BEFORE PERFORMING A FULL NECROPSY, COLLECT THE MENINGEAL SWAB FIRST
- USE PERSONAL PROTECTIVE EQUIPMENT
- USE STERILE SUPPLIES TO AVOID SAMPLE CONTAMINATION
- LABEL SAMPLES WITH PERMANENT MARKER

SUPPLIES:

- ☐ KNIVES
- ☐ STERILE SWAB
- ☐ SAMPLING TUBE

COLLECTION INSTRUCTIONS:

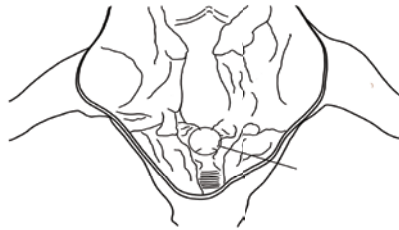
STEP 1.

PLACE THE PIG ON ITS BACK (DORSAL RECUMBANCY).



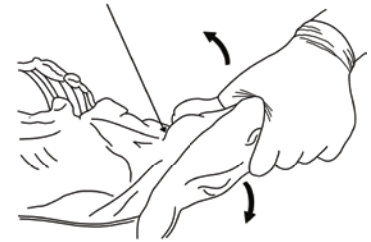
STEP 2.

REMOVE TISSUE, TONGUE, TRACHEA, AND ESOPHAGUS FROM JAW TO CHEST, EXPOSING THE CERVICAL SPINE.



STEP 3.

FLEX THE HEAD UP AND DOWN TO IDENTIFY THE "YES" JOINT (ATLANTO-OCCIPITAL JOINT).



STEP 4.

WITH A CLEAN KNIFE, MAKE AN INCISION IN THE MIDDLE OF THE JOINT TO EXPOSE THE SPINAL CORD, OCCIPITAL CONDYLES, AND MENINGES. DO NOT TOUCH THIS AREA TO AVOID CONTAMINATION.



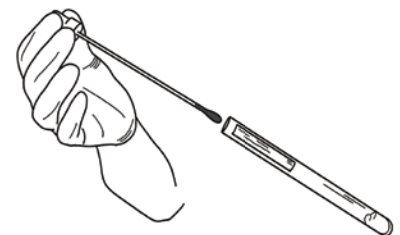
STEP 5.

PLACE THE STERILE SWAB INTO THE SPACE AROUND THE SPINAL CORD AND SLIGHTLY INTO SKULL AND SWIRL.



STEP 6.

PLACE THE SWAB INTO A LABELED, STERILE TUBE. PROMPTLY REFRIGERATE SAMPLES FOR SHIPMENT.



SUBMISSION INSTRUCTIONS:

REFER TO **SAMPLE SUBMISSION INSTRUCTIONS** ON SAMPLE SUBMISSION PAGE

COLLABORATORS

These educational materials were developed through a collaborative process between Swine Medicine Education Center (SMEC) and Maria Clavijo, DVM, PhD.

FUNDING

This project was funded in part by National Pork Board (NPB) and PIC

ILLUSTRATIONS

Chantz Nittler
Swine Medicine Education Center
Iowa State University