

**SKILL LISTS  
PRODUCTION ANIMAL CANDIDATES**

All qualified candidates will have demonstrated basic veterinary technician skills such as but not limited to:

- a. Proper animal restraint
- b. Peripheral catheter placement
- c. Venipuncture
- d. Basic bandage application
- e. Administration of oral and parenteral medications
- f. Calculation of IV fluid drip rates
- g. Calculation of basic drug administration
- h. Knowledge of various routes of drug administration,
- i. Aseptic surgical area preparation
- j. Surgical supply sterilization preparation
- k. Recording vital signs (Temp, Pulse, Respiration, and Pain Assessment)
- l. Perform basic laboratory tests (PCV, TP, UA, cytology staining, fecal analysis)
- m. Maintain proper medical records and computer skills
- n. Surgical scrubbing and gowning

These skills do not need to be verified individually and are only examples of the base skills expected of all candidates.

AIMVT Large Animal candidates must demonstrate mastery of 80% of the following skills for the application packet. Therefore 46 skills must be verified. Mastery is defined as “consistently being able to perform with great skill and/or knowledge without being coached or directed”.

Each skill should be verified and signed by the DVM or VTS who is the most qualified to verify the skill. In order of preference - Diplomate or VTS in ANY specialty of ACVIM or AIMVT, Diplomate or VTS in Anesthesia or Emergency & Critical Care, or a Diplomate in Practice or Surgery. If none of these Diplomates or VTS is available the Academy will accept verification by a licensed DVM with a letter from them stating that no Diplomate or VTS is easily available for the candidate to utilize. Each skill must also be cross referenced in your case logs by case log number.

|     | Initials | Task                                                                                                                                                                                                                                                                                                                       | Case Log # |
|-----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1.  |          | Perform pre anesthesia examinations to determine safety and risk for internal medicine cases.                                                                                                                                                                                                                              |            |
| 2.  |          | Perform patient pain assessment and implement prescribed analgesic plan including local, systemic and regional pain management. Recognize insufficiencies in pain management and propose alternatives.                                                                                                                     |            |
| 3.  |          | Properly collect, handle and store samples of an excretion, secretion or effusion for laboratory evaluation.                                                                                                                                                                                                               |            |
| 4.  |          | Properly collect and handle arterial blood samples for laboratory evaluation.                                                                                                                                                                                                                                              |            |
| 5.  |          | Properly collect and/or handle and store cytology samples for laboratory evaluation.                                                                                                                                                                                                                                       |            |
| 6.  |          | Properly set up and assist with joint taps and handling of obtained samples.                                                                                                                                                                                                                                               |            |
| 7.  |          | Properly perform a complete physical exam on at least two multigastric species (includes auscultation of heart, lungs, GI tract, and evaluation of pupil light reflex).                                                                                                                                                    |            |
| 8.  |          | Properly perform neonatal assessment and exam of multiple production animal species.                                                                                                                                                                                                                                       |            |
| 9.  |          | Properly assess dentition of patients and its impact on the patient's health condition.                                                                                                                                                                                                                                    |            |
| 10. |          | Properly set-up and assist or perform a breeding soundness exam.                                                                                                                                                                                                                                                           |            |
| 11. |          | Properly set-up and assist or perform in two of the following: contrast radiographs, magnetic resonance imaging, computed tomography, or myelography.                                                                                                                                                                      |            |
| 12. |          | Properly set-up and assist or perform diagnostic ultrasound.                                                                                                                                                                                                                                                               |            |
| 13. |          | Properly perform blood typing and cross match/agglutination.                                                                                                                                                                                                                                                               |            |
| 14. |          | Properly perform a Trichomoniasis test.                                                                                                                                                                                                                                                                                    |            |
| 15. |          | Properly and aseptically obtain blood culture samples.                                                                                                                                                                                                                                                                     |            |
| 16. |          | Properly perform analysis, clearly explain testing rationale and troubleshooting process and equipment used for at least 7 of the following laboratory tests: <ul style="list-style-type: none"> <li>a. osmolality</li> <li>b. colloid oncotic pressure</li> <li>c. fibrinogen</li> <li>d. complete blood count</li> </ul> |            |

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|     |  | <ul style="list-style-type: none"> <li>f. serum chemistry</li> <li>g. electrolytes</li> <li>h. dermatologic studies</li> <li>i. colostrum</li> <li>j. coagulation</li> <li>k. blood gas and acid/base</li> </ul>                        |  |
| 17. |  | Properly perform microscopy, clearly explain testing rationale and troubleshooting process and equipment used for cytology, white count determination or semen evaluation.                                                              |  |
| 18. |  | Properly set up and assist with or perform semen collection, fresh cooled processing OR freezing and storage, transport or shipment.                                                                                                    |  |
| 19. |  | Properly set-up and perform a base-apex electrocardiogram for multiple production animal species.                                                                                                                                       |  |
| 20. |  | Properly set-up and perform central venous pressure measurements.                                                                                                                                                                       |  |
| 21. |  | Properly set-up and perform oxygen saturation measurements.                                                                                                                                                                             |  |
| 22. |  | Properly calculate and implement a nutritional plan for neonates, mono gastric large animals and multi gastric large animals.                                                                                                           |  |
| 23. |  | Properly calculate, set-up, administer, maintain and handle total parenteral and partial parenteral nutrition.                                                                                                                          |  |
| 24. |  | Properly calculate, prepare, administer, and monitor a prescribed constant rate infusion.                                                                                                                                               |  |
| 25. |  | Properly maintain, calibrate and troubleshoot monitoring equipment.                                                                                                                                                                     |  |
| 26. |  | Properly maintain, calibrate and troubleshoot administration equipment.                                                                                                                                                                 |  |
| 27. |  | Properly maintain, calibrate and troubleshoot diagnostic equipment.                                                                                                                                                                     |  |
| 28. |  | Properly select, place or assist in placement, and maintain a multi-lumen catheter.                                                                                                                                                     |  |
| 29. |  | Properly select, place or assist in placement and maintain at least one of the following specialty catheters: <ul style="list-style-type: none"> <li>a. intra-arterial</li> <li>b. intra-osseous</li> <li>c. intra-articular</li> </ul> |  |
| 30. |  | Direct the implementation of isolation protocols specific to your practice.                                                                                                                                                             |  |
| 31. |  | Direct the implementation of reverse isolation protocols specific to your practice. (Please include specific protocols for neonatal and/or orthopedic units)                                                                            |  |

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| 32. |  | Properly set up, apply or assist in the application of the prescribed splints and bandages.                                                                                                                                                        |  |
| 33. |  | Properly set-up, assist or administer intra-articular injections.                                                                                                                                                                                  |  |
| 34. |  | Properly set-up, assist or administer intra-osseous injections in a neonate production animal.                                                                                                                                                     |  |
| 35. |  | Properly set-up, initiate, monitor and maintain oxygen therapy in the neonatal production animal.                                                                                                                                                  |  |
| 36. |  | Properly set-up, initiate, monitor and maintain oxygen therapy in the adult production animal.                                                                                                                                                     |  |
| 37. |  | Properly set-up, apply or assist in the application of slings. Multiple species and sizes.                                                                                                                                                         |  |
| 38. |  | Properly set-up and assist with dystocia delivery.                                                                                                                                                                                                 |  |
| 39. |  | Properly set-up and assist or perform embryo transfer.                                                                                                                                                                                             |  |
| 40. |  | Properly set-up and assist or perform artificial insemination.                                                                                                                                                                                     |  |
| 41. |  | Properly assess and/or assist with emergent down or neurologic animals.                                                                                                                                                                            |  |
| 42. |  | Properly set-up, assist, maintain and troubleshoot chest tube(s)/drains.                                                                                                                                                                           |  |
| 43. |  | Properly set-up, and maintain an open airway via intubation or nasal cannulation.                                                                                                                                                                  |  |
| 44. |  | Properly set-up, assist or perform and maintain positive pressure ventilation.                                                                                                                                                                     |  |
| 45. |  | Properly restrain/handle neonates of various production animal species.                                                                                                                                                                            |  |
| 46. |  | Properly intervene in the thermoregulation of production animal neonates.                                                                                                                                                                          |  |
| 47. |  | Properly and safely administer cardiopulmonary resuscitation in production animal species.                                                                                                                                                         |  |
| 48. |  | Properly set-up and assist or perform abdominal lavage.                                                                                                                                                                                            |  |
| 49. |  | Properly set-up and assist in 3 of the following biopsies <ul style="list-style-type: none"> <li>a. bone marrow</li> <li>b. kidney</li> <li>c. liver</li> <li>d. muscle</li> <li>e. rectal mucosal</li> <li>f. skin</li> <li>g. uterine</li> </ul> |  |
| 50. |  | Properly prepare patient, set up and maintain equipment, and assist with or perform at least three of the following endoscopy procedures: <ul style="list-style-type: none"> <li>a. GI endoscopy</li> <li>b. rhinoscopy</li> </ul>                 |  |

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|     |  | <ul style="list-style-type: none"> <li>c. bronchoscopy</li> <li>d. endoscopic tracheal wash</li> <li>e. bronchoalveolar lavage</li> <li>f. upper/lower airway</li> <li>g. hysteroscopy</li> </ul>                                                                                 |  |
| 51. |  | Properly prepare the patient, set-up and assist with a cerebral spinal tap (Atlanto-occipital and/or lumbosacral).                                                                                                                                                                |  |
| 52. |  | Properly prepare the patient, set-up and assist with a paracentesis (thoracocentesis, abdominocentesis or pericardiocentesis).                                                                                                                                                    |  |
| 53. |  | Properly harvest and process various blood products and safely administer blood products and monitor patient throughout transfusion.                                                                                                                                              |  |
| 54. |  | Properly place and maintain a urinary catheter in 2 female large animal species.                                                                                                                                                                                                  |  |
| 55. |  | Properly apply wound management techniques.                                                                                                                                                                                                                                       |  |
| 56. |  | Properly perform at least 3 of the following prescribed physical therapy modalities: <ul style="list-style-type: none"> <li>a. massage therapy</li> <li>b. therapeutic exercises</li> <li>c. range of motion</li> <li>d. hydro</li> <li>e. heat</li> <li>f. ultrasonic</li> </ul> |  |
| 57. |  | Properly set up, assist, or perform orogastric placement in multigastric production animal species                                                                                                                                                                                |  |
| 58. |  | Properly set up, assist or perform transtracheal aspiration or BAL (non-ultrasound guided).                                                                                                                                                                                       |  |