



## 2025 Large Animal, Equine, Production Animal IM Fundamental Advanced Skills Reference List

This is **NOT** the list you will submit with your application. Use this only as a reference.  
The submission form can be found here: [2025 LAIM/Equine/Production Fundamental Advanced Skills](#)

1. Properly set up for and assist with arthrocentesis and handle obtained samples	2. Properly assess dentition of patients and its impact on the patient's health condition
3. Properly set up for and assist with or perform two (2) of the following imaging procedures: <ul style="list-style-type: none"> <li>• Contrast radiographs</li> <li>• Magnetic resonance imaging</li> <li>• Computed tomography</li> <li>• Myelography</li> </ul>	4. Properly perform analysis, clearly explain testing rationale, and demonstrate the ability to troubleshoot and maintain equipment used for at least five (5) of the following laboratory tests: <ul style="list-style-type: none"> <li>• Osmolality</li> <li>• Colloid oncotic pressure</li> <li>• Fibrinogen</li> <li>• Complete blood count</li> <li>• Serum chemistry</li> <li>• Electrolytes</li> <li>• Dermatologic studies</li> <li>• Colostrum</li> <li>• Coagulation</li> </ul>
5. Properly set up for and assist with or perform breeding soundness exams	6. Properly set up for and assist with or perform semen collection, fresh cooled processing OR freezing, and storage, transport, or shipment
7. Properly set up for and assist with or perform artificial insemination	8. Properly set up for and assist with or perform embryo transfer
9. Properly set up for and assist with dystocia procedures	10. Properly set up for and perform a base-apex electrocardiogram (ECG) for multiple breeds of all species in specialty
11. Properly set up for and perform central venous pressure measurements	12. Properly calculate and implement a nutritional plan for neonate and adult patients <ul style="list-style-type: none"> <li>• General LA and Production Animal IM must include both mono- and multi-gastric large animals</li> </ul>
13. Properly calculate, set up, administer, maintain, and handle total parenteral and partial parenteral nutrition <ul style="list-style-type: none"> <li>• General LA and Production Animal IM must include both mono- and multi-gastric large animals</li> </ul>	14. Properly maintain, calibrate, and troubleshoot monitoring, administration, and diagnostic equipment
15. Properly set up for and apply or assist in the application of prescribed slings, splints, and bandages	16. Properly apply wound management techniques
17. Properly perform at least five (5) of the following prescribed physical rehabilitation modalities: <ul style="list-style-type: none"> <li>• Massage therapy</li> <li>• Therapeutic exercises</li> <li>• Range of motion</li> <li>• Hydrotherapy</li> <li>• Cryotherapy</li> <li>• Heat</li> <li>• Ultrasound</li> <li>• Magnetic stimulation</li> <li>• Electrical stimulation</li> </ul>	18. Properly set up for and assist with or administer intra-articular injections

19. Properly set up for and assist with or administer intraosseous injections	20. Properly set up for and assist in the placement of chest tubes/drains and use, maintain, and troubleshoot them
21. Properly set up for and maintain an open airway via intubation or nasal cannulation	22. Properly set up for and assist with or perform diagnostic and/or therapeutic peritoneal lavage
23. Properly prepare the patient, set up for, and assist with or perform paracentesis (thoracocentesis, abdominocentesis, or pericardiocentesis)	24. Properly prepare the patient, set up for, and assist with a cerebrospinal fluid tap (atlanto-occipital [AO] and/or lumbosacral)
25. Properly set up for and assist with collection of three (3) of the following biopsies: <ul style="list-style-type: none"> <li>• Bone marrow</li> <li>• Kidney</li> <li>• Liver</li> <li>• Muscle</li> <li>• Rectal mucosal</li> <li>• Skin</li> <li>• Uterine</li> </ul>	26. Properly place female urinary catheters <ul style="list-style-type: none"> <li>• General LA and Production Animal IM must master placement in at least <b>TWO</b> (2) LA species</li> </ul>
27. Properly set up for and assist with or perform non-endoscopic transtracheal aspiration or bronchoalveolar lavage	28. Properly set up for and assist with or perform local anesthetic blocks including, but not limited to: <ul style="list-style-type: none"> <li>• Cornual nerve block</li> <li>• Bier block</li> <li>• Paravertebral block</li> <li>• Caudal epidural</li> <li>• Retrobulbar block</li> <li>• Peterson block</li> </ul>
29. Properly treat and/or manage abscesses (foot, soft tissue, dental)	30. <b>*GENERAL LA and Production Animal IM ONLY:</b> Properly perform a trichomoniasis test

*\*Applicants to the Equine IM specialty are exempt from this skill. These applicants must master 22/29 of the other universal skills.*