

Bone Marrow Aspirate Sample Submission Checklist

- 1 Put one of the cool packs in the freezer and one in the fridge at least 24 hours prior to starting the procedure. Done:
- 2 Make sure you've planned the sample pick up prior to starting the procedure. Book the **24 HOUR courier** or if using the postal service you may need to call the local Post Office to check the latest time they will accept parcels for Special Delivery. **IT IS ESSENTIAL THAT THE SAMPLE ARRIVES AT THE LAB WITHIN 48 HOURS OF BEING TAKEN.** Done:
- 3 Check that you are sending the sample to the right address:
Attention: Regenerative Medicine Service, MDS EMC, Virginia Tech
17690 Old Waterford Road, Leesburg, Virginia 20176 Done:
- 4 Ensure the sodium citrate tubes (those with a light blue top) have not passed their expiration date, and are filled to the 4.5ml mark with bone marrow. Tubes should be mixed immediately by vigorous shaking for approximately 60 seconds. Keep your thumb on the top! Done:
- 5 Ensure that a sufficient volume of bone marrow in sodium citrate has been sent: two tubes containing 4.5mls of bone marrow will be sufficient for implanting 10 million cells; two further sodium citrate tubes should be sent for each additional 10 million cells needed. Done:
- 6 Ensure the heparin (5000 iu/ml) has not passed its expiration date, and is added to the bone marrow at the correct concentration, .05 ml heparin to 9.5 ml bone marrow. Tubes should be mixed immediately by gentle inversion for approximately 2-3 minutes. Done:
- 7 One cool pack must be frozen and wrapped in a small amount of absorbent material, the other must be cooled to +4°C and wrapped in a small amount of absorbent material. **The frozen pack must be below the cool pack and must not come into direct contact with the sample.** The box must be packed in such a way that when it is in transit the sample cannot slip and come into contact with the frozen pack. Done:
- 8 All paperwork should be filled in to allow for speedy and accurate processing at the laboratory, it is essential that the submitting veterinary surgeon signs the submission form and that all fields are filled in. Done:
- 9 Contact Equine Partners America to notify them that you are sending in a sample. Telephone 800-752-8538 or email info@equinepartnersamerica.com. Done:

Note: If a sample is submitted and some of these checks have not been done you may reduce the chance of any viable cells being able to be cultured. Equine Partners America, LLC reserves the right to charge for lab costs if this is the case.

Horse Name: _____ Vet Name: _____

Vet Signature: _____ Date: _____