

Equine Parentage & Animal Genetic Services Centre

Blood Screening Services

With the advent internationally of DNA typing for identification and parentage verification in the equine industry, the availability of information about a horse's blood type is becoming limited. This information is still vitally important when considering the risk a particular mare poses for her foal to develop neonatal isoerythrolysis (NI), and in the choice of horses as potential blood donors.

We still have the blood group records on our database of horses born before 2002. We can base predictive tests on these for suitability as blood donors, and potential risk of producing foals with NI. In order that we can continue to offer this service to vets and breeders, we are maintaining a limited service based on the blood group factors most commonly indicated in NI sensitisation, Aa and Qa.

Ideally mares with a history of producing foals with NI should be tested midway through their pregnancy and again around 3 to 4 weeks (no less than 20 days) before their expected foaling date. Taking mailing time into consideration, it can take up to a week to produce a result. So it is important that testing is not left too close to foaling in order that appropriate management practices can be put in place at birth for those foals at risk of developing NI.

Horses being considered as blood donors should be non-Thoroughbreds, have had no previous transfusions or pregnancies and should be screened for blood group factors. The ideal donor being Aa, Qa negative, should then have a full antibody titre performed to eliminate the possibility of previous sensitisation.

TESTS WE OFFER

Test Name	Price per sample (\$NZD incl. GST)	Blood Sample Requirement
Aa Qa antigen screen	\$150.00	2x yellow top (ACD) tubes 10ml
Antibody Titre (for NI or Universal Donor status)	\$150.00	4x plain red top tubes 10ml and 2x yellow top (ACD) tubes 10ml
Full Bloodtype	\$POA	2x yellow top (ACD) tubes 10ml

Please use our Test Submission form to submit your blood samples.

Clients should note that test results are sent ONLY to the person who SUBMITTED the samples. Therefore, the sample submitter is responsible for forwarding those results to any other relevant parties.

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Please enclose a completed submission form with your blood samples and send to:

Attention: Janine Kenny

Equine Parentage & Animal Genetic Services Centre

Drysdale Drive, PN811

Massey University

Palmerston North 4442

For more information about our blood testing contact: Janine Kenny on (06) 951 6473 or email admin.epags@massey.ac.nz