

GENERAL INFORMATION

This is a list of Assays for Veterinary Genetic Disorder Services using STR or Sequencing methodologies.

For other assays or further information, please see below and visit www.mbg.ae

For Veterinary Genomic Services please, refer to MBG-C0114

For veterinary Genotype Service refer to MBG-C0104

For Veterinary Pathogen Identification Service, refer to MBG-C0103

For assays not listed, individual projects and any other research collaborations, please contact MBG Centre for further information.

Recommended sample types are based on sources such as OIE, CDC and AHT and the expertise of MBG Centre.

Note:

- Please provide all the required information on the requisition form to avoid any delay in reporting
- For Price details please contact MBG.
- Please refer to **MBG-C0015 Sample Collection, Storage and Transport guidelines-Veterinary** for more information (www.mbg.ae).
- Turn Around Time
 - The turnaround time may increase depending on the sample load.
 - The turnaround time for Veterinary Genetic Disorder Service is within 5 working days.
 - Samples delivered after 11:00 AM will be processed next working day.

Veterinary Genetic Disorder Service List

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Assay Code	ASSAY NAME	Species	Description	Methodology	Recommended Sample Types	Accreditation
SINGLE GENE DISORDERS						
ASD-233	Equine Cerebellar Abiotrophy	Equine	Neurological condition found in Arabian horses	Sanger Sequencing	EDTA Blood , Hair	In-house validated assays
ASD-234	Hyperkalemic Periodic Paralysis	Equine	Sporadic attacks of muscle tremors in equine	Sanger Sequencing	EDTA Blood , Hair	
ASD-235	Severe Combined Immunodeficiency (SCID)	Equine	Underdeveloped immune system in equine	Sanger Sequencing	EDTA Blood , Hair	
ASD-236	Lavender Foal Syndrome (LFS)	Equine	Neurological dysfunction in new born foals	Sanger Sequencing	EDTA Blood , Hair	
ASD-237	Erythrocyte Pyruvate Kinase Deficiency	Feline	Inherited hemolytic anemia in cats	Sanger Sequencing	EDTA Blood	
ASD-238	Polycystic kidney disease 1	Feline	Renal failure in cats	Sanger Sequencing	EDTA Blood	
ASD-239	Progressive Retinal Atrophy (PRA-b)(Bengal)	Feline	Progressive blindness in Bengal cats	Sanger Sequencing	EDTA Blood	
ASD-240	Progressive Retinal Atrophy (PRA-pd) (Persian)	Feline	Progressive blindness in Persian cats	Sanger Sequencing	EDTA Blood	
ASD-241	Dilated Cardiomyopathy 1 and 2	Canine	An inherited, potentially fatal heart disorder in canine	Sanger Sequencing	EDTA Blood	