GENERAL INFORMATION

Below are list of Assays for Veterinary Cytogenetics and Stem Cell Services.
For information about Sample Collection, Storage and Transport please refer to MBG-C0015
For veterinary Genetic Disorder Services please refer to MBG-C0116
For veterinary Genomic Services please refer to MBG-C0114
For veterinary Pathogen Identification Service refer to MBG-C0103
For veterinary Genotyping Service refer to MBG-C0104
For assays not listed above, individual projects and any other research collaborations, please contact MBG Lab for further information.

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

All samples should be freshly collected and sent strictly within 24-48 hours, at recommended temperature. Please refer to the website for collection and transport guidelines.

Note:

- The prices mentioned are exclusive of VAT. Additional 5% vat will be charged to all invoices.
- For turnaround time, please refer to service list.
- **Please provide all the required information on the requisition form to avoid delays in reporting.**
- **Samples for chromosomal analysis (AOT-64) will be accepted only on Monday, Tuesday and Friday.**

Assay Code	ASSAY NAME	Species	Description	Methodology	Recommended Sample Types	TAT	Cost (AED)	Accreditation
AOT-068	Platelet-Rich Plasma Therapy	Camel, Equine	Differential centrifugation of whole blood	Centrifugation	ACD Blood (Contact MBG)	**1 day**	Contact MBG	**In-house developed assay**
AOT-067	MBG-Stem Cell Therapy	Camel, Equine, Feline, canine	Stem cell isolation from adipose tissue by enzymatic digestion	Stem Cell Isolation	Adipose Tissue	**2 days**	Contact MBG	
AOT-069	Stem cell banking	Camel, Equine, Feline, canine	Storage of isolated stem cells	Cryopreservation	Stem cells (Contact MBG)	-	Contact MBG	
AOT-066	Sperm viability test	Equine	Enumeration of live and dead sperms using different staining techniques	Microscopy	Contact MBG	**2 - 3 days**	**1000**	
AOT-064	Chromosomal Analysis (G banding)	Equine, Donkey, Camel.	WBCs are cultured in vitro, harvested and processed for G-banding and karyotyping.	Cell culture, Karyotyping	Heparin Blood	**2 weeks**	Contact MBG	
AOT-065	Fluorescent In situ Hybridisation (FISH)	Equine, Camel	Chromosome spreads are hybridized to specific probes for detection of chromosomal anomalies	Cell culture, In-situ hybridization	Heparin Blood	**2 weeks**	Contact MBG	

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