

GENERAL INFORMATION

Below are list of Assays for Veterinary Diagnostic Services using PCR, Real Time PCR or Sequencing methodologies.

For information about Sample Collection, Storage and Transport please refer to **MBG-C0015**

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

For Veterinary pathogen identification Services please refer to **MBG-C0103**

For Veterinary Genetic Testing Services please refer to **MBG-C0104**.

For Veterinary Genetic Disorders please refer to **MBG-C0116**.

For Veterinary Cytogenetics and Stem cell services please refer to **MBG-C0113**.

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:

***For Single Stranded RNA viruses:**

- Culture samples must be sent frozen or in RNA preservative media.
- If samples for RNA virus testing are not in RNA preservative media they must be frozen immediately and transported in the same condition.
- Samples for these assays **MUST NOT** be sent on FTA cards.

Assay code	ASSAY NAME	Methodology	Recommended Sample Types	Cost AED	Accreditation
AGT-161	Microbial Whole Genome Analysis*	Shotgun Sequencing (NGS)	Numerous (Contact MBG)	Contact MBG	Validated in-house developed assay
AGT-162	Metagenomics- Microbial 16S Analysis	16S rRNA sequencing (NGS)	Numerous (Contact MBG)		Validated in-house developed assay
AGT-203	Metagenomics- Microbial 18S Analysis	18S rRNA sequencing (NGS)	Numerous (Contact MBG)		Validated in-house developed assay
ASD-243	Equine Genotyping Microarray	Genome wide Genotyping Array	EDTA Blood		Validated kit-based assay
ASD-242	Camelids (Alpaca, Bactrian and Dromedary) Genotyping Microarray	Genome wide Genotyping Array	EDTA Blood		Validated kit-based assay
AGT-159	Mitochondrial Sequencing (Equine, Camel, Falcon & Monkey)	Mitochondrial DNA Sequence Analysis by NGS	EDTA Blood		Validated in-house developed assay
AOT-108	Bacterial species identification	16S rRNA sequencing (Sanger sequencing)	Isolates		Validated in-house developed assay