

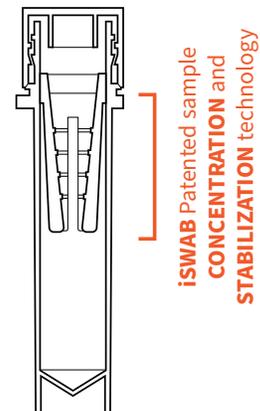
iSWAB™-Animal

Non-Invasive Collection & Stabilization of DNA from Animals

COLLECT • CONCENTRATE • TRANSPORT • EXTRACT • STORE

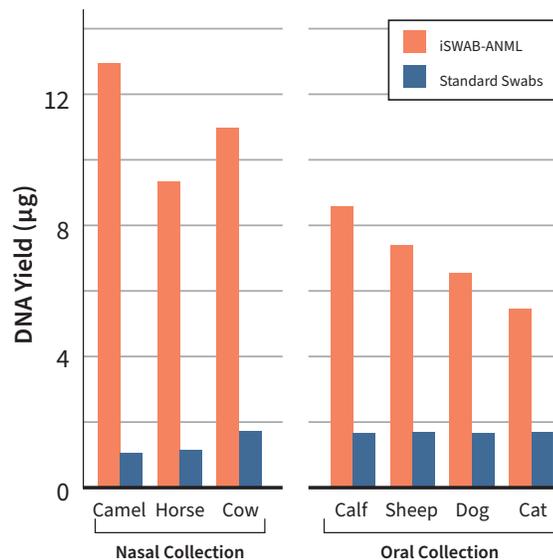
Non-invasive collection methods such as oral/nasal swabs and hair pulls are established methods to obtain DNA from animals, but samples obtained from these procedures are tedious and time-consuming to process. High bacterial content can compromise sample integrity, resulting in low sample output and suboptimal DNA quality for downstream applications. This can become a major issue when precious samples collected from a rare breed or exotic animal return from the lab with failed results and essentially no options for resampling.

The iSWAB-ANML device is a non-invasive collection system that maintains the integrity of DNA at the point of collection for samples collected in the field. Unlike existing swab-based methods, the swabs are discarded after collection and not sent back to the lab so the processing time, effort, and cost are significantly reduced. Most importantly, iSWAB is designed to enable safe and humane sample collection, reduce the incidence of failed samples, and decrease overall workflow time and costs.



- ✓ **UP TO 10MG OF ANIMAL GENOMIC DNA:** High-quality DNA (double-stranded, long fragment) ideal for direct PCR, microarray, or NGS.
- ✓ **ACHIEVE <1% BACTERIAL GENOMIC DNA CONTENT:** Low bacterial genomic DNA content in collected samples.
- ✓ **FIELD COLLECTION IN <2 MINUTES:** Simple, easy, fast, and convenient sample collection.
- ✓ **SWAB-FREE SAMPLE TRANSPORT:** Decrease sample processing time and costs without compromising sample integrity.
- ✓ **ROOM-TEMPERATURE STABLE:** Reduce sample storage and transport costs by eliminating cold chain requirements. iSWAB kits and collected samples are room-temperature stable for several years.
- ✓ **TRACEABLE AND RELIABLE CHAIN OF CUSTODY:** LIMS-compatible unique bar-codes included on each iSWAB device for efficient traceability and storage purposes.
- ✓ **SCALABLE AND EASY TO PROCESS:** Manual and automation friendly sample processing. Small vial footprint reduces storage space requirements.
- ✓ **ACCOMMODATES SAMPLE COLLECTION FROM VARIOUS ANIMAL SPECIES:** Can be performed using oral or nasal swabs for small and large animals where blood sample collection may be problematic.

High gDNA Yields from Different Animal Species



Average yields are from two standard swabs or single iSWAB collected/animal (n=10).

REF /Catalog Number	Product Family Name	Stabilizing Buffer
iSWAB-ANML-250	iSWAB-Animal Collection Kit	400 µL
ISAN-T-250-R	iSWAB-Animal Collection Device Rack	400 µL x 50
ISAN-T-250	iSWAB-Animal Collection Device	400 µL x 500

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