

iSWAB™ - Animal

Non-invasive device for collection and stabilization of long-fragmented, double stranded DNA from animals

Collect - Concentrate - Transport - Extract - Store: All in a Single Tube

Non-Invasive collection methods such as oral/nasal swabs and hair pulls are well established methods to obtain DNA from animals, but samples obtained from these procedure are tedious and time consuming to process in the lab. High bacterial content can potentially compromise the integrity of the sample, 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 the 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 is significantly reduced. Most importantly the iSWAB is designed to enable safe and humane sample collection, reduce the incidence of failed samples and decrease overall workflow time and costs.



iSWAB
patented
sample and
concentration &
stabilization
technology

Features & Benefits

Collect - Concentrate - Transport - Extract - Analyze - Store: All in a Single Tube

Up to 10µg of animal genomic DNA: High quality DNA (double-stranded, long fragment) that is ideal for direct PCR, microarray, or NGS

Achieve less than 1% bacterial genomic DNA content: Low bacterial genomic DNA content in collected samples

Field collection in less than 2 minutes: Simple, easy, fast and convenient sample collection

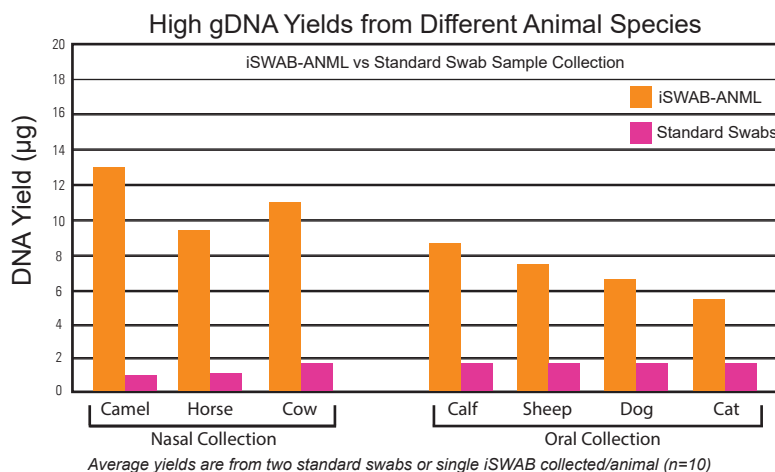
Swab-free sample transport: Decrease sample processing time and costs without compromising sample integrity

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.



Part No.	Product	Collection Volume
ISAN-T-250-R	iSWAB-Animal Collection Kit, 400µl x50	400µl/Tube
iSWAB-ANML-250	iSWAB-Animal Collection Kit, 400µl	400µl/Tube



Biosampling Reinvented™

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iSWAB ANML DATASHEET