







# Camel 4MID® Kit (Ref. 4VDX-19K11) A Functional Assay of Sperm Quality and Male Fertility

### **Camel 4MID® Kit Main Advantages**

- Based on a functional sperm parameter called proAKAP4
- Only few microliters required
- Working with fresh, chilled or frozen semen in extenders
- Easy to use, robust and cost-saving test

### **Camel 4MID® Kit Description**

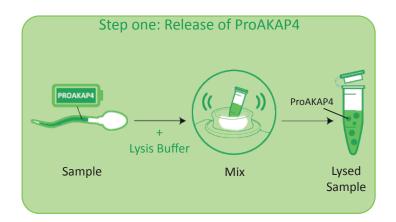
The Camel 4MID<sup>®</sup> Kit (Ref. 4VDX-19K11) is a robust ELISA kit that contains all reagents and buffers required for the quantification of proAKAP4 protein in all types of camel semen samples.

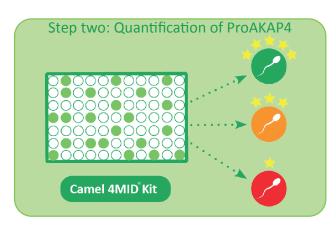


Product reference	4VDX-19K11
Specificity	Camel proAKAP4
Analytical range	0 - 150 ng
Number of analysis	1 to 88 samples



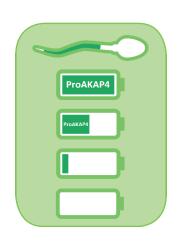
## Camel 4MID® Kit (4VDX-19K11) An Innovative Approach to Assess Sperm Quality





#### **Applications of the Camel 4MID® Kit:**

- Semen quality assessments
- Qualification of each ejaculate / each straw
- Functional indicator of male fertility
- Monitoring tool of camel career
- Selection of sperm with long-lasting motility





## Background: ProAKAP4 as a Functional Marker of Sperm Motility and Male Fertility

ProAKAP4 is the **precursor of AKAP4** that is a structural protein playing a key role in **sperm motility**, **capacitation and fertility**. Spermatozoa **without proAKAP4** are abnormal, immobile and **infertile**. The concentrations of proAKAP4 marker are **good indicators of sperm quality and fertility** and of how the spermatozoa will stay motile and fertile overtimes.



#### **Main References**

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