









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 a few microliters required
- Works with fresh, chilled or frozen semen in extenders
- Easy to use, robust and cost-saving testing kit

Camel 4MID® Kit Description

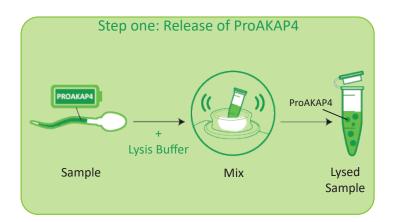
The Camel 4MID[®] Kit (Ref. 4VDX-19K11) is a robust ELISA kit that contains all reagents and buffers required for the quantification of proAKAP4 protein in all types of camel semen samples.

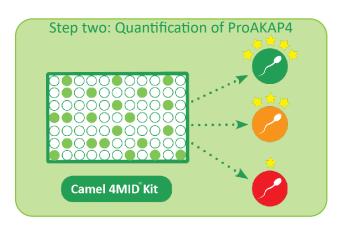


| Product reference | 4VDX-19K11 |
|--------------------|-----------------|
| Specificity | Camel proAKAP4 |
| Analytical range | 0 - 150 ng |
| Number of analysis | 1 to 88 samples |



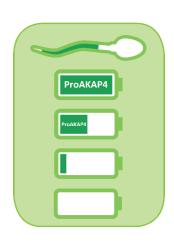
Camel 4MID® Kit (4VDX-19K11) An Innovative Approach to Assess Sperm Quality





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 is 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 concentration of the proAKAP4 marker is a **good indicator of sperm quality and fertility** and of how the spermatozoa will stay motile and fertile over time.



Main References

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Blommaert et al. (2019) Theriogenology. Vol. 131:52-60

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Fang et al. (2019) Developmental Biology. Vol. 454(2):118-127

