



Ram 4MID[®] Kit (Ref. 4VDX-18K7) A Functional Assay of Sperm Quality and Male Fertility

Ram 4MID[®] Kit Main Advantages

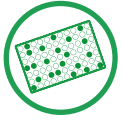
- Based on a **functional sperm parameter** called proAKAP4
- Only a **few microliters required**
- Works with **fresh, chilled or frozen semen** in extenders
- **Easy to use**, robust and cost-saving testing kit

Ram 4MID[®] Kit Description

The **Ram 4MID[®] Kit (Ref. 4VDX-18K7)** is a robust ELISA kit that contains all reagents and buffers required for the quantification of proAKAP4 protein in all types of ram semen samples.

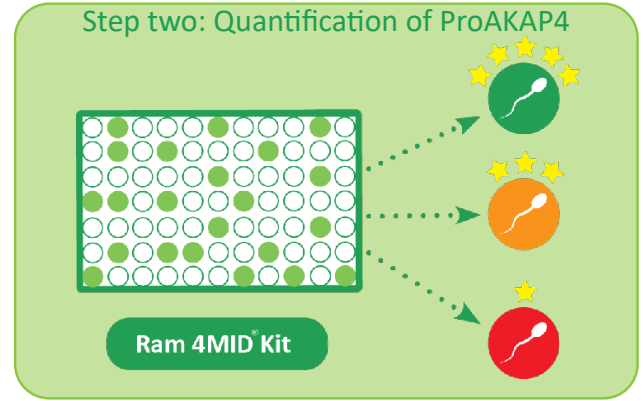
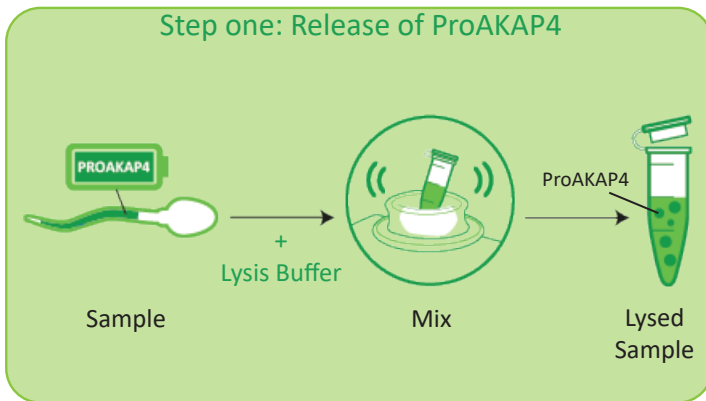


Product reference	4VDX-18K7
Specificity	Ram proAKAP4
Analytical range	0 - 150 ng
Number of analysis	1 to 88 samples



Ram 4MID® Kit (4VDX-18K7)

An Innovative Approach to Assess Sperm Quality



Applications of the Ram 4MID® Kit:

- Semen quality assessments
- Qualification of each ejaculate / each straw
- Functional indicator of male fertility
- 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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- Sergeant et al. (2019) Dairy & Veterinary Sciences. Vol. 11(1):1-6
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- Sergeant et al. (2016) Animal Reproduction Science. Vol. 169:125-126