

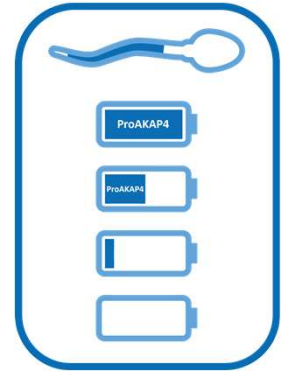


# ProAKAP4 4MID<sup>®</sup> Kit (4BDX-18K12 RUO)

## A Functional Assay of Sperm Quality and Male Fertility

### What is the ProAKAP4 4MID<sup>®</sup> Kit ?

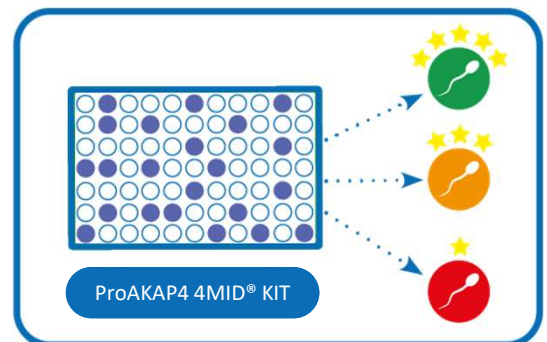
ProAKAP4 is the **precursor of AKAP4** that is playing a key role in **flagellar structure, capacitation, sperm motility and fertility**. Spermatozoa **without proAKAP4** are abnormal, immobile and **infertile**. The concentrations of proAKAP4 marker are **good indicators of sperm quality and fertility**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



The higher the concentration of proAKAP4 is, the better is the quality of the semen

### Applications of the ProAKAP4 4MID<sup>®</sup> Kit

- Selection of semen with best quality
- Selection of semen for **cryopreservation**
- **Qualification** of each collected semen
- **Functional indicator** of male fertility
- Indicator of **spermatogenesis quality**



### Main technical characteristics

Product reference	4BDX-18K12 RUO
Specificity	Human, Rodent ProAKAP4
Analytical range	0-150 ng
Number of analysis	1 to 88 samples



The **ProAKAP4 4MID<sup>®</sup> Kit (Ref. 4VDX-18K12)** contains all reagents and buffers required for the **quantification of proAKAP4** protein in all types of semen sample (**fresh, chilled and frozen semen**).

