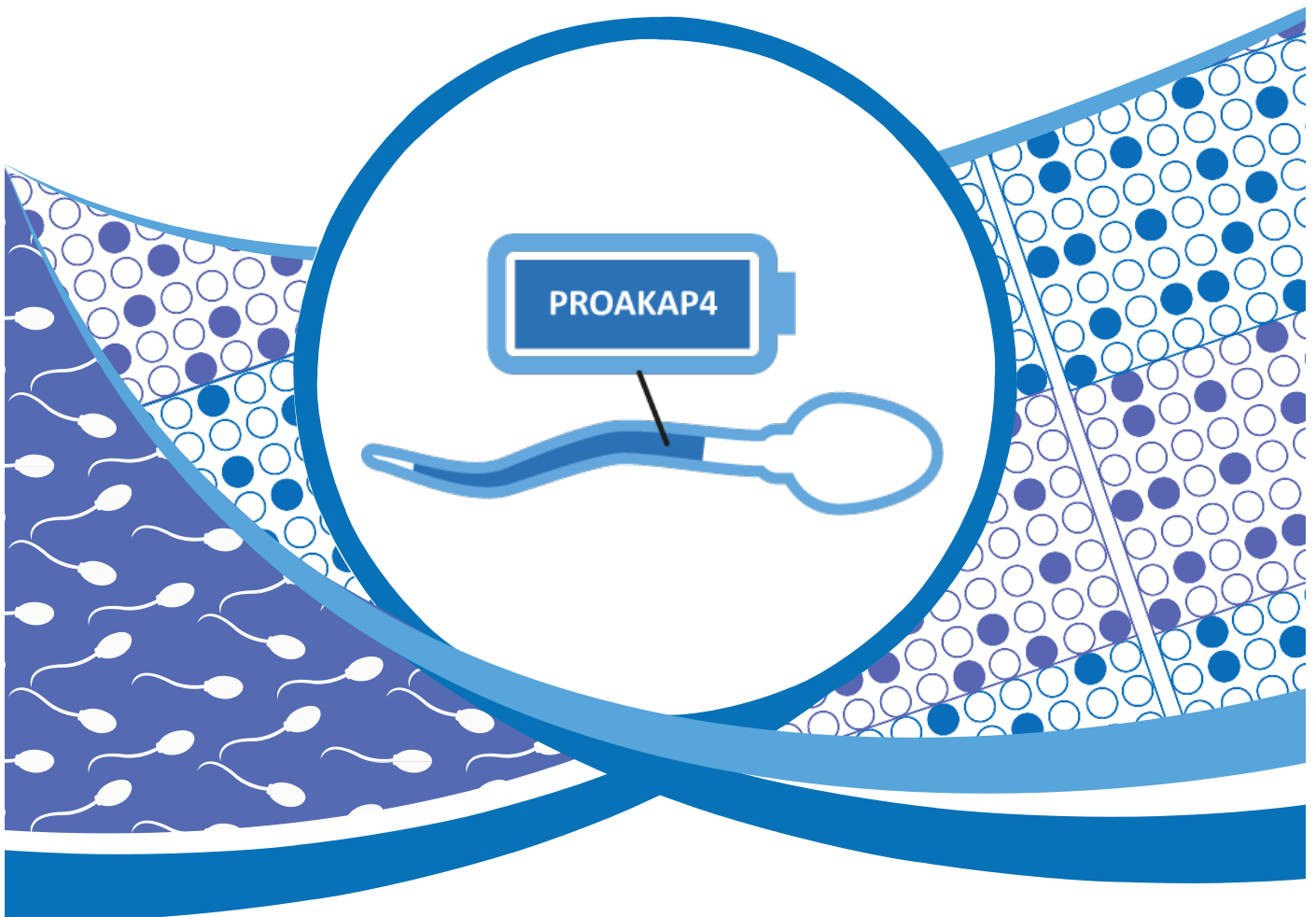


ProAKAP4 ELISA Kit

Ref. 4BDX-18K12 RUO



A Functional Assay To Improve Sperm Quality Assessment

Research Use Only Products

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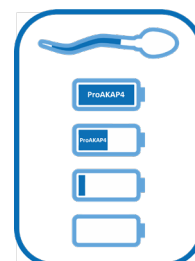


ProAKAP4 ELISA Kit (4BDX-18K12 RUO)

An Innovative Approach to Assess Sperm Quality and Fertility

ProAKAP4 is a Functional Marker of Sperm Motility and Male Fertility

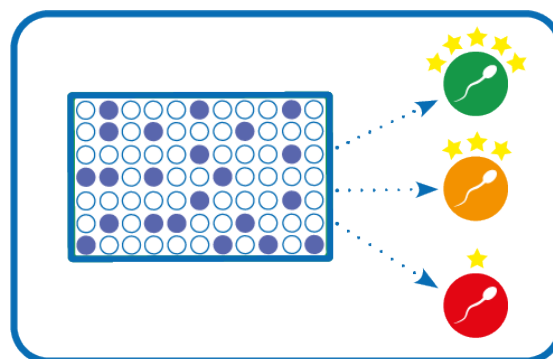
ProAKAP4 is the **precursor of AKAP4** that is playing a key role in **flagellar structure, capacitation, sperm motility and fertility**. Spermatozoa **without proAKAP4** are abnormal, immobile and **infertile**. The concentration of proAKAP4 marker is a **good indicator of sperm quality and fertility** 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

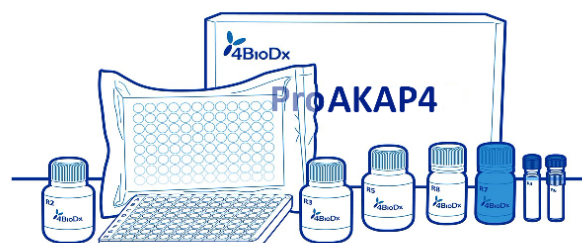
Applications of the ProAKAP4 ELISA Kit:

- **Selection of semen** with the best quality
- Selection of sperm with **long-lasting motility**
- **Qualification** of each collected semen
- **Functional indicator** of fertility
- Indicator **of spermatogenesis quality**
- Selection of semen for **cryopreservation**



ProAKAP4 ELISA Kit Description

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



The **ProAKAP4 ELISA Kit (Ref. 4BDX-18K12 RUO)** is a sandwich ELISA kit that contains all reagents and buffers required for the quantification of proAKAP4 protein in all types of semen sample (fresh, chilled and frozen semen).