

# UROLOGY

## PSA



FDA 510K Cleared

Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. PSA is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland. PSA is produced for the ejaculate, where it liquefies semen in the seminal coagulum and allows sperm to swim freely. It is also believed to be instrumental in dissolving cervical mucus, allowing the entry of sperm into the uterus.

## Testosterone



Testosterone is a steroid hormone from the androgen group and is found in humans and other vertebrates. In humans and other mammals, testosterone is secreted primarily by the testicles of males and, to a lesser extent, the ovaries of females. Small amounts are also secreted by the adrenal glands. It is the principal male sex hormone and an anabolic steroid.



| Cat No   | Product name              | AMR             | Specimen                                   | volume   | LOD       | Time to result  | Package  | Storage                  |
|----------|---------------------------|-----------------|--|--|-----------|---|----------|--------------------------|
| FRPS 025 | FREND<br>PSA Plus Kit     | 0.1 ~ 25 ng/mL  | Serum/Plasma<br>(Lithium heparin/<br>EDTA) | 30 µL  | 0.1 ng/mL | Cartridge<br>reaction<br>: < 3 minutes                                    | 25 tests | 2 ~ 8 °C<br>(35 ~ 46 °F) |
| FRTE 020 | FREND<br>Testosterone Kit | 20 ~ 1500 ng/dL | Serum/Plasma<br>(Lithium heparin/<br>EDTA) | • Pretreatment<br>: Specimen 70µL<br>• Cartridge<br>loading : 35µL | 20 ng/dL  | • Pretreatment<br>: 5 minutes<br>• Cartridge<br>reaction<br>: < 3 minutes | 20 tests | 2 ~ 8 °C<br>(35 ~ 46 °F) |