

# THYROID

## TSH



FDA 510K Cleared

Thyroid-stimulating hormone (also known as thyrotropin, thyrotropic hormone, TSH, or hTSH for human TSH) is a pituitary hormone that stimulates the thyroid gland to produce thyroxine (T4), and then triiodothyronine (T3) which stimulates the metabolism of almost every tissue in the body.[1] It is a glycoprotein hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland, which regulates the endocrine function of the thyroid.

## Free T4



A hormone that is made by the thyroid gland and is one of the most important thyroid hormones. Four iodine molecules are attached to the molecular structure of thyroxine. Along with the more powerful thyroid hormone triiodothyronine (T3), thyroxine affects almost every process in the body, including body temperature, growth, and heart rate. Also known as T4



| Cat No   | Product name      | AMR               | Specimen                           | volume   | LOD       | Time to result   | Package  | Storage               |
|----------|-------------------|-------------------|------------------------------------|--|-----------|--|----------|-----------------------|
| FRTS 025 | FREND TSH Kit     | 0.06 ~ 25 mIU/L   | Serum and Plasma (Lithium heparin) | Cartridge loading : 35µL                                     | 0.1 ng/mL | Cartridge reaction : < 3 minutes                                 | 25 tests | 2 ~ 8 °C (35 ~ 46 °F) |
| FRT4 020 | FREND Free T4 Kit | 0.40 ~ 6.00 ng/dL | Serum and Plasma (Lithium heparin) | • Pretreatment : Specimen 70µL<br>• Cartridge loading : 35µL | 0.4 ng/dL | • Pretreatment : 5 minutes<br>• Cartridge reaction : < 3 minutes | 20 tests | 2 ~ 8 °C (35 ~ 46 °F) |