

# VITAMIN D

## Vitamin D



Vitamin D is a steroid hormone involved in the active intestinal absorption of calcium and in the regulation of its homeostasis. It plays a vital role in the formation and maintenance of strong, healthy bone. vitamin D deficiency has long been associated with rickets in children and osteomalacia in adults; and long –term insufficiency of calcium and vitamin D leads to osteoporosis. Additionally, in recent years, vitamin D has become an assay of general health status, and there have been multiple publications linking vitamin D deficiency to several disease states, such as cancer, cardiovascular disease, diabetes, and autoimmune disease.



Cat No	Product name	AMR	Specimen	volume	LOD	Time to result	Package	Storage
FRVD 020	FREND Vitamin D kit	10.00 ~ 110.00 ng/mL	Serum and Plasma (Citrate/Lithium heparin/EDTA)	• Pretreatment : Specimen 70µL • Cartridge loading : 35µL	10 ng/mL	• Pretreatment : 15 minutes • Cartridge reaction : < 3 minutes	25 tests	2 ~ 8 °C (35 ~ 46 °F)