

## Caprine Triiodothyronine (T3) ELISA Kit-Competitive

**Cat. No.:** EK1F186

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Caprine Triiodothyronine (T3) ELISA Kit-Competitive is designed for the quantitative determination of Caprine Triiodothyronine (T3) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Caprine T3.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	0.16-10 ng/mL
Sensitivity	0.047 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Triiodothyronine (T3) is a thyroid hormone that affects almost every physiological process in the body, including growth and development, metabolism, body temperature, and heart rate. The thyroid gland produces both T3 and its precursor, thyroxine (T4). T4 is converted to T3 in various tissues, including the liver, kidneys, and muscles. Research has shown that total triiodothyronine and thyroxine are lower in pregnant and lactating goats.

Target/Biomarker	Caprine T3
Target Synonym	3,3',5-Triiodo-L-Thyronine; Liothyronine; Cytomel; Tertroxin

### Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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## Reference

Liotta, L. *et al.* Thyroid and Lipidic Profiles in Nicastrese Goats (*Capra hircus*) during Pregnancy and Postpartum Period. *Animals : an open access journal from MDPI*. 2021, 11.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.