

Datasheet: 8960-1204

Description:	SYNTHETIC THYROXINE-BSA CONJUGATE
Name:	THYROXINE
Other names:	T4
Format:	Antigen-carrier Conjugate
Product Type:	Purified Protein
Quantity:	5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.1 µg/well - 1 µg/well

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Broad
Product Form	Synthetic thyroxine conjugated to BSA - lyophilised
Reconstitution	Reconstitute with distilled water
Preparation	Prepared by EDC conjugation
Buffer Solution	Salt free
Preservative Stabilisers	None present

Product Information **Purified Human Thyroxine** is a synthetic preparation of Thyroxine (C₁₅H₁₀I₄NNaO₄·5H₂O) conjugated to Bovine Serum Albumin. Thyroxine (also known as T₄) is a major hormone secreted by the follicular cells of the thyroid gland. Thyroxine's main role is to regulate metabolic processes in the body such as heart rate, along with Triiodothyronine (T₃). T₄ is involved in thyroid disorders, such as hyperthyroidism and hypothyroidism.

References

1. Tangyuenyong, S. *et al.* (2017) Sensitive radioimmunoassay of total thyroxine (T₄) in horses using a simple extraction method. [J Vet Med Sci. Jun 11. \[Epub ahead of print\]](#)

Storage

Prior to reconstitution store at +4°C.
 After reconstitution store at -20°C.
 Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10268 available at:
10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory For research purposes only

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