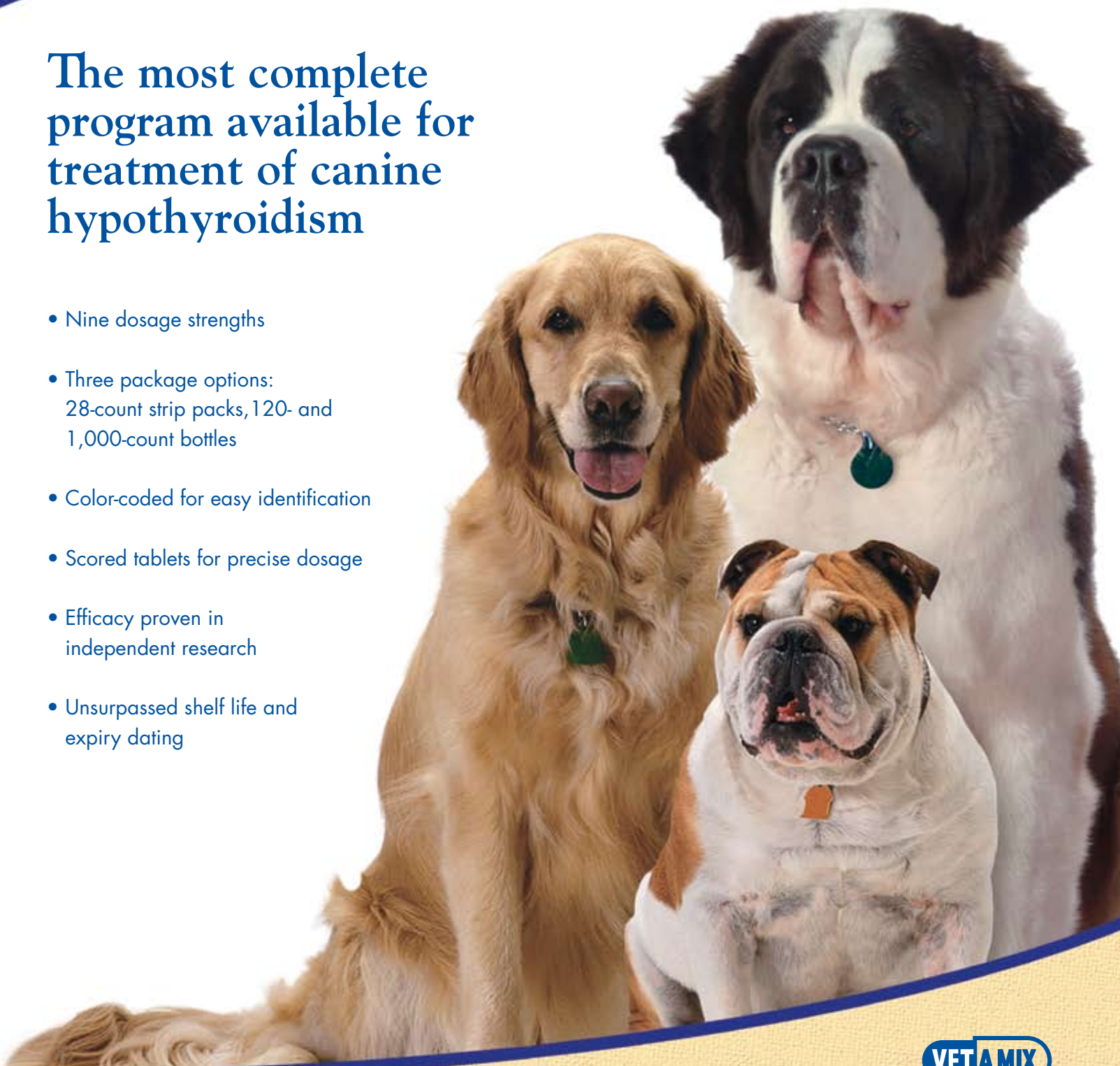


Thyro-Tab[®]

(levothyroxine sodium tablets, USP)

The most complete program available for treatment of canine hypothyroidism

- Nine dosage strengths
- Three package options:
28-count strip packs, 120- and 1,000-count bottles
- Color-coded for easy identification
- Scored tablets for precise dosage
- Efficacy proven in independent research
- Unsurpassed shelf life and expiry dating



A Division of LLOYD, Inc.

Versatile packaging options allow you to treat canine hypothyroidism your way.

Thyro-Tabs® 28-count strip packs make treatment for canine hypothyroidism as easy as possible – for you, for your staff, and, especially, for your client.

Convenient strip packs get new hypothyroid patients off to a successful start.

Clinical signs of canine hypothyroidism

1. Gain in weight with a normal or reduced appetite
2. Hair loss, usually well circumscribed or patchy
3. Noticeable dermal changes, dry “flaky” skin
4. Impaired cerebral function and dulled mental attitude
5. Intolerance to cold
6. Poor exercise tolerance
7. Reduced fertility and libido

Each 28-count pack contains four foil strips of seven individual day-of-the-week coded pouches. This helps clients establish a routine of everyday administration of the proper dosage and provides you with a high degree of clinical confidence when interpreting follow-up blood tests. Each single-tablet foil pouch is sealed for factory freshness.

Dispensing is easy as well—no pill counting or repackaging necessary. You simply add your hospital label to the box and write in your desired dosage information.

By offering one or two strip packs of an initial dosage strength, you can effectively direct your client to return in a pre-established amount of time for re-evaluation. Once T4 levels have stabilized, you can either prescribe Thyro-Tabs® 120-count bottles or, if the client wishes, continue with the strip packs. You'll both appreciate the affordable convenience of this packaging option.



Thyro-Tabs® strip packs are available in all nine dosage strengths from your preferred distributor, along with 120- and 1,000-count bottles.

Thyro-Tabs® tablets are produced in nine dosage strengths, including a 1.0 mg dose often indicated for giant breed dogs. All strengths are available in packaging choices that assure affordable convenience and compliance: 28-count strip packs, the industry's only 120-count dispensing size, and economical 1,000-count bottles.

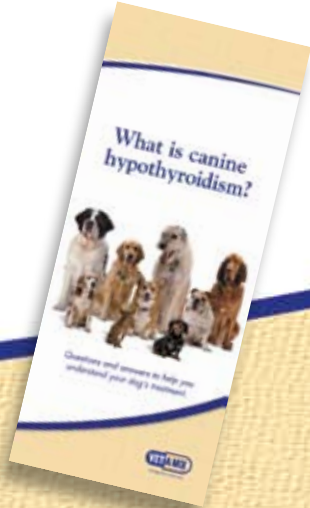
Manufactured under strict laboratory guidelines, Thyro-Tabs® tablets offer superior stability with expiry dating of three years. Two decades of consistent and uninterrupted supply have made LLOYD, Inc. the leading developer and marketer of levothyroxine sodium to the veterinary industry.

LLOYD, Inc. is the only company in the world that offers levothyroxine sodium products for dogs and horses, as well as a thyroid hormone replacement line to treat hypothyroidism in humans.

Nine Color-coded Dosage Strengths

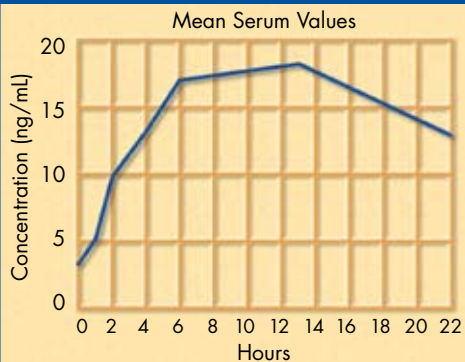
Potency	Color	Package size
0.1 mg (100 µg)	Yellow	28, 120 & 1,000
0.2 mg (200 µg)	Pink	28, 120 & 1,000
0.3 mg (300 µg)	Green	28, 120 & 1,000
0.4 mg (400 µg)	Maroon	28, 120 & 1,000
0.5 mg (500 µg)	White	28, 120 & 1,000
0.6 mg (600 µg)	Purple	28, 120 & 1,000
0.7 mg (700 µg)	Orange	28, 120 & 1,000
0.8 mg (800 µg)	Blue	28, 120 & 1,000
1.0 mg (1,000 µg)	Tan	28, 120 & 1,000

This brochure reviewing canine hypothyroidism is a reassuring reference for owners of newly diagnosed patients. Contact us for copies.



Efficacy proven in clinical studies

Canine T4 Bioavailability Study



Blood serum thyroxine (T4) concentration in four thyroidectomized dogs given a single Thyro-Tabs[®] dose of 20 µg per kilogram body weight.

Research conducted by The Animal Medical Center, New York, New York

Clinical Response to Thyro-Tabs[®] Levothyroxine Therapy

	Dosage (µg/kg/day)	Initial T4 (µg/dL)	End T4 (µg/dL)	Initial BMR (Kcal/kg/day ^{0.75})	End BMR (Kcal/kg/day ^{0.75})
Minimum	14.20	0.02	1.74	49.52	69.98
Maximum	50.00	2.79	8.57	131.93	140.42
Mean	28.56	0.97	4.34	80.61	94.32
Standard Deviation	13.33	0.95	1.96	21.79	19.06

BMR = Basal Metabolic Rate

All 14 dogs used in this study had a low circulating basal T4 concentration and/or clinical signs and clinical pathology results which supported hypothyroidism as a diagnostic possibility. After confirmation of hypothyroidism, treatment was initiated with Thyro-Tabs[®]. Follow-up clinical evaluations and T4 measurements were conducted for a four-month period. The results of BMR and T4 measurements and improvement in clinical signs confirmed that Thyro-Tabs[®] tablets are effective in treating hypothyroidism in dogs.

Research conducted at Department of Biomedical Sciences, College of Veterinary Medicine, Colorado State University, Fort Collins, Colorado

Research data available upon request.

Parameters for levothyroxine in canine serum

Based on studies conducted by Vet-A-Mix in cooperation with two commercial laboratories, the following parameters for T4 concentrations in canine serum have been established.

Normal (euthyroid): 18 to 32 ng/mL (1.8 to 3.2 µg/dL).

Possible hypothyroid: 10 to 18 ng/mL (1.0 to 1.8 µg/dL).

Hypothyroid: less than 10 ng/mL (< 1.0 µg/dL). A truly hypothyroid animal should be showing some clinical signs associated with the disease.

A resting serum T4 concentration of 18 ng/mL or above signifies that hypothyroidism is unlikely in dogs. Normally, the more the T4 concentration exceeds this value, the less likely that a dog is hypothyroid. A dog with a T4 value between 10 and 18 ng/mL that is exhibiting signs of hypothyroidism should be considered for levothyroxine replacement therapy.

Modes of action

L-thyroxine is a naturally circulating thyroid hormone endogenously secreted by the canine thyroid gland. Levothyroxine sodium provided by Thyro-Tabs[®] tablets cannot be distinguished from L-thyroxine. The primary regulator of thyroid function is thyroid-stimulating hormone (TSH), which is synthesized and secreted by the pars distalis of the adenohypophysis (anterior pituitary). The mediator from the hypothalamus, which exerts a continuous influence over the pituitary release of TSH, is thyrotropin-releasing hormone (TRH). Thyroid hormones influence virtually every body organ, either by their effect on growth and development or by the hormones' metabolic effects.

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian. **INDICATIONS:** For use in dogs for correction of conditions associated with low circulating thyroid hormone (hypothyroidism). **DOSAGES:** The initial recommended daily dose is 0.1 to 0.2 mg/10 pounds (4.5 kg) body weight in single or divided doses. Dosage is then adjusted by monitoring the T4 blood levels of the dog every four weeks until an adequate maintenance dose is established. **ADMINISTRATION:** Thyro-Tabs[®] may be administered orally or placed in the food. **WARNINGS:** The administration of levothyroxine sodium to dogs to be used for breeding purposes or in pregnant bitches has not been evaluated. There is evidence to suggest that administration to pregnant bitches may in some instances affect the normal development of the thyroid gland in unborn pups. **HOW SUPPLIED:** Thyro-Tabs: 0.1 mg, 0.2 mg, 0.3 mg, 0.4 mg, 0.5 mg, 0.6 mg, 0.7 mg, 0.8 mg, 1.0 mg in 28, 120, and 1,000 count.

READ PACKAGE INSERT FOR COMPLETE DIRECTIONS

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A Division of LLOYD, Inc.
800-831-0004
www.lloydinc.com

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