



## Thyroid USP

This medicine can be prepared by a compounding pharmacist.

**Thyroid USP is a natural preparation derived from porcine thyroid glands.**

**Each 65mg (one grain) contains approximately 38mcg T<sub>4</sub> (levothyroxine) and 9mcg T<sub>3</sub> (liothyronine)**

**T<sub>3</sub> is approximately 4 times more potent than T<sub>4</sub>**

### Mode of action\*\*

- Regulate various mechanisms of the body including energy and heat production, growth, tissue repair and development, and the metabolism of carbohydrates, lipids and proteins

### Indications\*

- Hypothyroidism of any etiology, except transient hypothyroidism during the recovery phase of subacute thyroiditis
- Treatment or prevention of various types of euthyroid goiters, including thyroid nodules, subacute or chronic lymphocytic thyroiditis (Hashimoto's), multinodular goiter, and in the management of thyroid cancer
- Diagnostic agents in suppression tests to differentiate suspected mild hyperthyroidism or thyroid gland autonomy

### Precautions\*\*

- *Untreated thyrotoxicosis* — contraindicated
- *Hypopituitarism and adrenal insufficiency* — risk of acute adrenal crisis if used without glucocorticoid replacement
- *Cardiovascular disorders* — risks of worsening ischaemic symptoms; risks of arrhythmias
- *Diabetes* — may require adjustment of antidiabetic drug dosage when beginning treatment with thyroid hormones
- *Elderly* — require slower dosage adjustment; risk of cardiovascular adverse effects

### Paediatric\*

- Treatment should be initiated immediately upon diagnosis of congenital hypothyroidism, and maintained for life, unless transient hypothyroidism is suspected; in which case, therapy may be interrupted for 2 to 8 weeks after the age of 3 years to reassess the condition. Cessation of therapy is justified in patients who have maintained a normal TSH during those 2 to 8 weeks

### Pregnancy\*\*

- Australian category A. Thyroid hormones do not readily cross the placental barrier.

### Breastfeeding\*\*

- Safe to use. Minimal amount of thyroid hormones are excreted in human milk.

### Adverse effects\*\*

- Usually associated with excessive dosage; correspond to symptoms of hyperthyroidism, eg tachycardia, arrhythmia, excitability, insomnia, flushing, sweating, diarrhoea and excessive weight loss; others, see full PI

### Dosage\*

The dosage of thyroid hormones is determined by the indication and must in every case be individualised according to patient response and laboratory findings.

- *Hypothyroidism*- usual starting dose is 30mg once daily, with increments of 15mg every 2 to 3 weeks which depend on the cardiovascular status of the patient. Maintenance dosages 60 to 120mg/day usually result in normal serum T<sub>4</sub> and T<sub>3</sub> levels. Adequate therapy usually results in normal TSH and T<sub>4</sub> levels after 2 to 3 weeks therapy.
- Other *indications*, see full PI

### Practice points\*

- Readjustment of thyroid hormone dosage should be made within the first four weeks of therapy, after proper clinical and laboratory evaluations, including serum levels of T<sub>4</sub>, bound and free TSH.

- PCCA formula #10821 Thyroid USP 60mg LoxOral™ Capsules contain NO gluten, casein, sodium lauryl sulfate, lactose, soy, dye and magnesium stearate. *Detailed information regarding the LoxOral™ excipient base is available from the member-only website.* It is highly recommended to use PCCA RAM™ to prepare this formula to ensure content uniformity of the final product. *Detailed information regarding the PCCA RAM™ machine is available from the member-only website.*

**PCCA formulas are valid only when PCCA Ingredients, Bases and Equipment are used.**

How to Write a Compounded Prescription:

Example prescriptions below

**The following formulas are suggested as a guideline for medical practitioners only**

Dr. A Prescriber  
99 Station Street  
Central NSW 2001  
Phone: (99) 9999 9999  
Prescriber no.: 123456

Patient's Medicare number: 3,9,0,0,7,2,4,6,5,1,1

Patient's full name: Suzie Citizen  
Patient's address: 22 Smith Street, Cityside, Postcode 2001

PBS entitlement number: [ ]  
Safety Net entitlement card holder:  Concessional or dependent, RPPS beneficiary or Safety Net concession card holder

PBS  RPPS  Brand substitution not permitted   
Non - PBS

**COMPOUNDED THYROID USP 60mg Capsules with PCCA LoxOral™**

Insert required directions

Quantity:                      Repeats:

Pharmacist/patient copy

Privacy note on reverse

Doctor's signature: *A. Prescriber*                      03/04/07

I certify that I have received the medication and the information relating to any entitlement to free or concessional pharmaceutical benefits is not false or misleading. 4011 (09/06)

Patient's or agent's signature: *A*                      Date of supply: / /

Agent's address:

Dr. A Prescriber  
99 Station Street  
Central NSW 2001  
Phone: (99) 9999 9999  
Prescriber no.: 123456

Patient's Medicare no.: 3900724651-1

Pharmaceutical benefits entitlement number:  Safety Net entitlement card holder (non-entitlement)                       Concessional or dependent RPPS beneficiary or Safety Net concession card holder

Patient's name: Suzie Citizen  
Address: 22 Smith Street, Cityside NSW 2001

Date: 03/04/07  
RPPS XXXXXX RPPS non PBS                       Brand substitution not permitted

**COMPOUNDED THYROID USP 60mg Capsules with PCCA LoxOral™**

Insert required directions

Qty: 1 Item                      repeat

Dr. A Prescriber MBBS                      A. Prescriber

Please turn over for printing only

I certify that I have received the medication and the information relating to any entitlement to free or concessional pharmaceutical benefits is not false or misleading.

Date of supply: / /                      Patient's or agent's signature: \_\_\_\_\_

Agent's address: \_\_\_\_\_                      4011 (10/06)

PCCA ingredients are quality assured for peace of mind. Learn more about PCCA quality by visiting: [www.pccarx.com.au/quality](http://www.pccarx.com.au/quality)



**Fremantle Central  
Pharmacy**

**Great service + Great value**

Shop 1 Corner Cantonment and Queen Street  
Fremantle, WA 6160  
Ph: 08 9335 2786  
Fax: 08 9336 1130  
Email: [fcp@westnet.com.au](mailto:fcp@westnet.com.au)



PCCA is endorsed by



**The Pharmacy  
Guild of Australia**