

Thyine 25

Thyroxine (Levothyroxine) 25 mcg Tablet

Overview:

Thyroxine (Levothyroxine) 25 mcg tablet is a synthetic thyroid hormone used to treat [hypothyroidism](#), a condition where the thyroid gland does not produce sufficient thyroid hormones. It plays a crucial role in regulating metabolism, energy levels, and various bodily functions. This medication helps restore normal thyroid hormone levels, ensuring optimal physiological balance. It is often prescribed for long-term use and requires careful dosage adjustments under medical supervision.

Indications:

- Treatment of hypothyroidism (underactive thyroid)
- Thyroid hormone replacement therapy for patients with thyroid disorders
- Prevention and management of [goiter](#) due to hormonal imbalances
- Adjunct therapy in thyroid cancer treatment and post-thyroidectomy care

Dosage & Administration:

- Usually taken **once daily on an empty stomach**, at least **30 to 60 minutes before breakfast** to maximize absorption.
- The dosage is **individualized** based on age, weight, thyroid hormone levels, and patient response.
- It is essential to take the medication at the **same time every day** to maintain steady hormone levels.
- Avoid consuming **calcium, iron supplements, antacids, soy products, and high-fiber foods** within **4 hours** of taking the tablet, as they may interfere with absorption.
- Do not change the dosage or discontinue use without consulting a healthcare professional, as sudden adjustments can cause serious health issues.

Precautions & Warnings:

- **Heart Disease:** Patients with [hypertension](#), [arrhythmias](#), or [coronary artery disease](#) should use levothyroxine cautiously.
- **Adrenal & Pituitary Disorders:** Must be managed before starting thyroid hormone therapy.
- **Diabetes:** May affect blood sugar levels, requiring close monitoring and possible medication adjustments.
- **Pregnancy & Breastfeeding:** Generally safe under medical supervision, as thyroid hormone is essential for fetal development.

Possible Side Effects:

While levothyroxine is generally well-tolerated, improper dosing can cause side effects. Common side effects include:

- Changes in body weight (gain or loss)
- Increased heart rate (palpitations)
- Nervousness, irritability, or mood fluctuations
- Excessive sweating and headache
- Insomnia or difficulty sleeping

Severe Side Effects (Rare):

- Chest pain or irregular heartbeat
- Shortness of breath
- Unusual fatigue or muscle weakness
- Signs of [hyperthyroidism](#) due to overdose (tremors, anxiety, excessive sweating)

If any severe symptoms occur, seek immediate medical attention.

Drug Interactions:

- May interact with **antacids, calcium, iron supplements, cholesterol-lowering drugs, and some antidepressants**.
- Medications for **diabetes, high blood pressure, and seizures** may require dosage adjustments.
- **Soy-based foods, high-fiber diets, and grapefruit juice** can reduce absorption.

Storage & Handling:

- Store in a **cool, dry place**, away from moisture and direct sunlight.
- Keep the tablets in their original blister pack or container to protect from air and humidity.
- Ensure the medication is stored out of reach of children and pets.

Conclusion:

Thyroxine (Levothyroxine) 25 mcg tablet is essential for treating hypothyroidism and maintaining overall metabolic stability. Consistent use under medical supervision is necessary to prevent complications. Regular thyroid function tests are recommended to monitor effectiveness and adjust dosage as needed. Always consult a healthcare provider before making any changes to your thyroid medication regimen.

Manufactured in India for:

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