



AGOG Pharma Ltd.



(WHO - GMP CERTIFIED - GOVT RECOGNISED EXPORT HOUSE)

Regd. Office & Factory : Plot No. 33, Sector II, The Vasai Taluka Industrial Co-op. Estate Ltd. Gaurai-pada, Vasai (E), Dist. Thane - 401 208. INDIA.
Tel. : 95250 - 2455801 / 2452714 / 2453525 • Fax : 95250 - 2452074 (0091 - 250 - 2452074) • Email : agog@vsnl.net & agogpharma@rediffmail.com

Thiamine Tablets BP 100 mg

VITA-100

COMPOSITION :

Each uncoated tablet contains:

Thiamine Hydrochloride BP100 mg

Excipients q.s.

PHARMACOLOGICAL ACTION :

Thiamine is fundamentally associated with carbohydrate metabolism. By combining with the pyrophosphoric acid in nucleated cells, it is converted in the body to the pyrophosphate which acts as a co-enzyme in such reactions as the decarboxylation of keto acids and glutarate. Thiamine pyrophosphate also acts as a co-enzyme in the direct oxidative pathway of glucose metabolism.

INDICATIONS AND USAGE:

Thiamine hydrochloride is effective for the treatment of thiamine deficiency or beriberi whether of the dry (major symptoms related to the nervous system) or wet (major symptoms related to the cardiovascular system) variety. Thiamine hydrochloride injection should be used where rapid restoration of thiamine is necessary, as in Wernicke's encephalopathy, infantile beriberi with acute collapse, cardiovascular disease due to thiamine deficiency, or neuritis of pregnancy if vomiting is severe. It is also indicated when giving IV dextrose to individuals with marginal thiamine status to avoid precipitation of heart failure. Thiamine hydrochloride injection is also indicated in patients with established thiamine deficiency who cannot take thiamine orally due to coexisting severe anorexia, nausea, vomiting, or malabsorption. Thiamine hydrochloride injection is not usually indicated for conditions of decreased oral intake or decreased gastrointestinal absorption, because multiple vitamins should usually be given.

DOSAGE AND ADMINISTRATION :

Therapeutic: 25 mg to 100 mg daily.

CLINICAL PHARMACOLOGY :

The water soluble vitamins are widely distributed in both plants



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and animals. They are absorbed in man by both diffusion and active transport mechanisms. These vitamins are structurally diverse (derivatives of sugar, pyridine, purines, pyrimidine, organic acid complexes and nucleotide complex) and act as coenzymes, as oxidation-reduction agents, possibly as mitochondrial agents. Metabolism is rapid, and the excess is excreted in the urine. Thiamine is distributed in all tissues. The highest concentrations occur in liver, brain, kidney and heart. When thiamine intake is greatly in excess of need, tissue stores increase two to three times. If intake is insufficient, tissues become depleted of their vitamin content. Absorption of thiamine following IM administration is rapid and complete. Thiamine combines with adenosine triphosphate (ATP) to form thiamine pyrophosphate, also known as cocarboxylase, a coenzyme. Its role in carbohydrate metabolism is the decarboxylation of pyruvic acid in the blood and -ketoacids to acetaldehyde and carbon dioxide. Increased levels of pyruvic acid in the blood indicate vitamin B1 deficiency. The requirement for thiamine is greater when the carbohydrate content of the diet is raised. Body depletion of vitamin B1 can occur after approximately three weeks of total absence of thiamine in the diet.

Side Effects :

Very rarely hypersensitive reaction and sensitivity disturbance may occur.

STORAGE: Store under normal storage conditions (15°C to 30°C)

Protect from light.

Keep all medicines out of reach of children.

PRESENTATION :

Jar pack of 1000 Tablets.

Blister pack of 10 x 10 Tablets



Manufactured in India by:

AGOG PHARMA LTD.

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