

## **Fruson**

Frusemide & Spironolactone

### **Composition**

**Fruson 20** : Each tablet contains Frusemide BP 20 mg & Spironolactone BP 50 mg.

### **Description**

**Fruson** is a combination drug containing a short-acting loop diuretic, Frusemide and a long-acting aldosterone antagonist, potassium-sparing diuretic Spironolactone. Spironolactone and Frusemide have different but complementary mechanisms and sites of action. Combination exhibits synergistic diuretic effect. Frusemide inhibits  $\text{Na}^+/\text{K}^+/\text{2Cl}^-$  co-transport at ascending limb of loop of Henle and there occurs inhibition of electrolyte and water reabsorption. Spironolactone acts on collecting tubule to block the aldosterone receptors competitively, inhibiting sodium retention and potassium secretion. As a result sodium excretion is largely enhanced and loss of potassium is suppressed and a total positive effect on diuresis is achieved.

### **Indications**

- Essential hypertension
- Congestive cardiac failure
- Liver cirrhosis, with ascites
- Oedema
- Resistant oedema associated with secondary hyperaldosteronism
- Hyperaldosteronism

### **Dosage & administration**

1 to 4 tablets daily (50 to 200 mg of Spironolactone and 20 to 80 mg of Frusemide) according to the patient's response.

### **Contraindications**

Allergy to Furosemide/Spironolactone, Children, Hyperkalaemia, Addison's disease, Renal failure, Anuria, Hyponatraemia.

### **Side effect**

Generally, this combination preparation is well tolerated. However, a few side effects like nausea, malaise or gastric upset, headache, hypotension, skin rash may be seen which disappears after withdrawal of the drug.

### **Caution**

Diabetes, Prostatic hypertrophy, Kidney failure, Liver disease, Hypotension, Low volume of circulating blood (hypovolaemia)

**Use in pregnancy & lactation**

**Fruson 20** should be used in pregnancy only if the expected benefit to the mother is greater than the possible risks to the fetus. As **Fruson® 20** passes into breast milk it is recommended that mothers should avoid using this medicine while breastfeeding.

**Drug interaction**

Precaution should be taken while co-administration with the following drugs: ACE inhibitors, cardiac glycosides, carbenoxolone, corticosteroids & NSAIDs.

**Overdosage**

Symptoms of overdosage include drowsiness, dizziness, mental confusion, diarrhea, vomiting, etc. due to excessive diuresis. Corrective measures should be taken to replenish the fluid loss.

**Presentation**

**Fruson 20** : Box containing 3 x 10's tablets in Alu- PVC blister strip.

**Manufactured by:**

The IBN SINA Pharmaceutical Industry Ltd.  
Shafipur, Gazipur, Bangladesh.