

**Brand Name: LACTON SOLUTION**

**Composition:** lactulose solution U.S.P

**Dosage Form:** Solution

**Category:** Osmotic Laxative / Hepatic Encephalopathy Treatment

**Packaging Type:** PET Bottle

**Packaging:** Both 100 ml & 200 ml are available

**Brief Product Information:**

**LACTON SOLUTION** is a therapeutic osmotic laxative manufactured by AstraEureka Pharmaceutical, a reliable manufacturer of composition. It contains Lactulose 10 gm per 15 ml in a pleasant-tasting syrup base. It is primarily used to treat chronic constipation and hepatic encephalopathy. Lactulose works by drawing water into the bowel to soften stools and promote regular bowel movement. In liver disease, it helps reduce blood ammonia levels by acidifying the colon and converting ammonia into ammonium ions, thereby preventing its absorption. LACTON is gentle, non-habit-forming, and suitable for long-term use under medical supervision. It should be taken as prescribed, preferably with water or juice to improve taste. Store in a cool, dry place. Available in 100 ml and 200 ml PET bottles with accurate dosing cap for convenience.

**Composition:**

**Each 15 ml contains:**

- Lactulose Concentrate USP  
Equivalent to Lactulose.....10 gm
- Palatable base.....q.s.

**Key Ingredients:**

- Lactulose Concentrate
- Palatable syrup base

**Key Benefits:**

1. Effectively relieves chronic constipation
2. Helps manage hepatic encephalopathy
3. Softens stool and promotes natural bowel movements
4. Safe for elderly and pediatric use (under guidance)
5. Non-stimulant, non-habit-forming

### **Indications:**

1. Chronic or habitual constipation
2. Hepatic encephalopathy
3. Portal-systemic encephalopathy (PSE)
4. Conditions requiring stool softening (e.g., post-surgery, hemorrhoids)

### **Directions for Use:**

1. Shake well before use
2. Can be taken with water, milk, or juice
3. Use the provided measuring cap for correct dosing

### **Dosage and Administration:**

- **Constipation:**  
Adults: 15–30 ml once daily, adjusted as needed  
Children: 5–15 ml daily, depending on age
- **Hepatic Encephalopathy:**  
30–45 ml 3 to 4 times daily, or as prescribed
- Dosage should be individualized based on response

### **Safety Information:**

1. Prolonged use should be monitored by a physician
2. Not for use in cases of galactosemia
3. Caution in diabetic patients due to sugar content
4. Maintain adequate fluid intake
5. Not to be used in cases of intestinal obstruction
6. Consult physician in pregnancy or lactation

### **Mechanism of Action:**

1. Lactulose is a synthetic disaccharide that reaches the colon unchanged, where it is fermented by colonic bacteria into lactic acid and other organic acids.
2. This acidifies the colonic contents, increasing osmotic pressure and drawing water into the bowel.
3. This softens stools and promotes peristalsis. In hepatic encephalopathy, the acidic environment converts ammonia ( $\text{NH}_3$ ) to ammonium ( $\text{NH}_4^+$ ), which is non-absorbable and excreted in the feces, thus lowering systemic ammonia levels and relieving neurological symptoms.

**Contraindications:**

1. Known hypersensitivity to lactulose
2. Intestinal obstruction
3. Galactosemia
4. Patients requiring a low-galactose diet

**Side Effects:**

1. Flatulence
2. Abdominal discomfort or bloating
3. Diarrhea (with overdose)
4. Electrolyte imbalance with prolonged use

**Important Notice:**

- For therapeutic use only
- To be used under medical supervision
- Not a substitute for a balanced diet or fluid intake

**Storage Condition:**

1. Store below 25°C in a cool, dry place.
2. Do not refrigerate or freeze.
3. Keep the bottle tightly closed.

**Packing Information:**

- Supplied in PET bottles of 100 ml and 200 ml with outer box pack.