

# Lactu

## Lactulose BP

### COMPOSITION

**Lactu 100ml oral Solution:** Each 5 ml concentrated oral solution contains Lactulose BP 3.35 gm.

**Lactu 200ml oral Solution:** Each 5 ml concentrated oral solution contains Lactulose BP 3.35 gm.

### DESCRIPTION

Lactulose is a disaccharide, which is not hydrolyzed in the small intestine. Therefore it can not be absorbed and is transported to the colon with water to retain the osmotic balance. It provides a natural substrate for the saccharolytic bacterial flora in the colon. In the colon, several species of bacteria can hydrolyze Lactulose to the monosaccharides galactose and fructose. By encouraging this normal metabolic activity of the bacteria, the osmotic pressure of the colonic contents is doubled and more water is drawn into the bowel. Further metabolism of the monosaccharides leads to the production of acetic acids and the subsequent lowering of colonic pH. This acidification of the colonic contents is considered to be the main reason for the effectiveness of Lactulose solution. In chronic portal systemic encephalopathy it may be associated with the decrease in the relative concentration of free ammonia, the major agent involved in the cerebral disturbance.

### INDICATIONS

1. Constipation 2. Hepatic encephalopathy (Portal systemic encephalopathy)

### DOSAGE AND ADMINISTRATION

Constipation: Initially Lactu solution may be given twice daily. In due course the dose should be adjusted according to the needs of the individual, but the following serves as a guide

### STARTING DOSE

Adults: (including the elderly) - 15 ml twice daily. Children: 5 to 10 years - 10 ml twice daily. Children under 5 years - 5 ml twice daily. Babies under 1 year - 2.5 ml twice daily. Lactu solution may, if necessary, be taken with water, fruit juice etc. Hepatic encephalopathy: Adults (including the elderly): Initially 30-50 ml three times a day. Subsequently adjust the dose to produce two or three soft stools each day.

### CHILDREN

No dosage recommended for this indication.

### CONTRAINDICATION

Galactosaemia. In common with other preparations used for the treatment of constipation, Lactulose should not be used when there is evidence of gastrointestinal obstruction.

### PRECAUTION

Lactose intolerance.

### SIDE-EFFECTS

During the first few days of treatment, meteorism and increased flatulence may occur. These symptoms usually disappear under continued therapy. Diarrhoea may occur especially when used higher dosages, e.g. during treatment of portal systemic encephalopathy. Dosage should then be adjusted to obtain two or three formed stools per day.

### USE IN PREGNANCY

Wide clinical experience, together with data from animal reproduction studies has not revealed any increase in embryotoxic hazard to the foetus if used in the recommended dosage during pregnancy. If laxative therapy is needed in pregnancy, use of this drug is acceptable.

### STORAGE REQUIREMENT

Store below 25°C. Do not freeze. Dilution and subsequent storage is not recommended.

### COMMERCIAL PACK

Lactu 100 ml: Each amber color glass bottle contains Lactu 100 ml oral solution.

Lactu 200 ml: Each amber color glass bottle contains Lactu 200 ml oral solution.

Manufactured by



For further query on the use of this medicine, consult to a registered Doctor or Pharmacist.