

## **Rehyd Solution 330 ml**

**Pharmaceutical form:** oral solution with banana flavor.

**Composition:** 5 ml solution contains: sodium chloride 17,5 mg, sodium citrate 14,5 mg, potassium chloride 12,5 mg, glucose 55,7 mg.

Excipients: sodium benzoate, citric acid monohydrate, banana flavor, purified water.

**Pharmacological group:** Carbohydrate-Electrolyte Solution. Oral rehydration salts (ORS).

### **Pharmaceutical properties**

The main goal of application of Rehyd solution - restoring of acid-base balance, disturbed due to the loss of electrolytes during vomiting and diarrhea. In patients with rehydration, oral rehydration therapy with this drug contributes to rapid rehydration.

Rehyd solution contains balanced quantity of electrolytes in water. Electrolytes play a major role in establishing ionic equilibrium. The role of citrate is to correct acidosis resulting from diarrhea and vomiting. Citrate also increase absorption of sodium ions and is more stable than bicarbonate. Combination of electrolytes stimulates absorption of water and electrolytes from the gastrointestinal tract, thereby preventing dehydration with diarrhea and vomiting.

Glucose promotes the absorption of salts and citrates, which helps maintain metabolic acidosis.

Water: an appropriate amount is essential to correct dehydration.

### **Indications:**

- restoration of water and electrolyte balance in dehydration in adults and children associated with acute diarrhea and vomiting of various etiologies;
- correction of acidosis in acute diarrhea (including cholera);
- diarrhea with acute and moderate dehydration (for example, loss the body weight in children 3-9%);
- thermal stress with a concomitant violation of the water-electrolyte balance;

For the prevention - during thermal and physical exertion, leading to intense sweating.

### **Method of administration:**

Solution of Rehyd solution depends from weight and age of patient, as well as on the stage and severity of the condition. The solution should be taken after each liquid emptying, in small sips.

In severe dehydration, when body weight decreases by 10%, dehydration should be carried out by intravenous administration. In mild to moderate dehydration, the amount of solution intake depends on body weight and degree of dehydration. In the first 6-10 hours from the onset of dehydration the dose can increase to 30-60 ml/kg of body weight. The maximal daily dose is 65 ml/kg of body weight. With further dehydration, additional use of the drug is necessary. Adults and children with mild to moderate dehydration follow the data given in the table.

Body weight, kg	≥5	5-7.9	8-10.9	11-15.9	16-29.9	>30
Maximal daily intake of solution, ml	330 мл	330-520	520-720	720-1000	1000-2000	2000

### **Dehydration Prevention.**

To prevent fluid loss from the body, Rehyd solution take in lower quantities. Intake of Rehyd solution should be started as soon as diarrhea begins. As a rule, it is necessary to take the solution for no more than 3-4 days; stop taking after diarrhea resolves.

For prevention of dehydration the single dose may be amount to 5 - 15 ml/kg of body weight:

- children with body weight up to 10 kg: 50 - 100 ml solution after each liquid emptying;
- adults and children with body weight over 10 kg: 100 - 200 ml solution after each liquid emptying.

In case of diarrhea accompanied by vomiting, the indicated amount can be used in divided form (from 5 ml to 10 ml, every five minutes), then the amount can be gradually increased until the child is able to drink normally.

### **Contraindications:**

impaired kidney function;  
diabetes;  
loss of consciousness;  
intestinal obstruction (ileus)  
hypersensitivity to the components of the drug.

### **Warnings and precautions:**

Should not be used in people with hyperkalemia, phenylketonuria.

Rehyd solution should not be diluted with water and other solutions, as it is ready to use. The drug is approved for use in recommended doses during pregnancy and lactation.

Do not use the drug in children under the age of 3 months without consulting a doctor.

**Packaging:**

Plastic bottle of 330 ml.

**Shelf life:**

2 years.

**Storage conditions:**

Store below 25 °C in a dry place, out of reach of the children. Open containers should be used within 48 hours.

**Regulatory status:**

OTC