

## OBINOX

Drinkable Solution 150 ML



### Active Ingredients

**Poppy, Pine Tree, Mallow, Eucalyptus, Horehound, Ivy**

**Poppy:** your use of the poppy is valid as soothing cough, whooping cough and as an adjunct in pertussis and in whooping forms as bechico in the therapy of acute catarrhal bronchitis. The flowers in fact help to calm spasm, promote expectoration and determine diaphoretic action, useful in the forms of fever, a result of colds and flu. In the past it was very used poppy syrup for children, either as a sedative and as an expectorant: in addition to being effective, resulted pleasant for both the color and for the taste.

**Pine Tree:** it is a powerful antiseptic and expectorant respiratory-fluidizing of bronchial secretions. Therefore, it is indicated in respiratory diseases (colds, bronchitis, tracheitis, pneumonia), in the case of asthma, influenza, acute and chronic catarrh.

**Mallow:** It is traditionally used in inflammatory diseases of the upper airways and oral cavity for its anti-inflammatory and bechico action. The mucilage contained therein are layered on the mucous membranes, particularly those of the upper airways and protect them, preventing their contact with flogogene and/or toxic substances. Recent data indicate that the mucilage of Mallow have an inhibitory action on the complement and are also able to stimulate the phagocytic activity of the reticuloendothelial system. There has been demonstrated in experimental animals, where there has been a net increase in the index of phagocytosis, increased from the value of 0.1 to 0.4 in the controls of the treated animals, and we would indicate an activation of the reticuloendothelial system by these substances. A study in rats evaluated the immunomodulatory action of a rich in polysaccharides aqueous extract of mallow in rats immunized or not with ovalbumin. After 3 or 6 or 10 days after immunization the animals were sacrificed and their spleens examined for cytokine production. It is noticed that the rich in polysaccharides mallow extract increased the antibody response to ovalbumin, but did not alter the production of IL4. Instead it increased the production of IL12 and gamma interferon. The study indicates that the aqueous extract of mallow rich in polysaccharides is an activator of macrophages and T helper 1 cells.

**Eucalyptus:** is used to resolve inflammation of the respiratory system as owns expectorant , balsamic and slightly sweat and pyretic property. It is indicated in bronchial catarrh and asthma, and is one of the plants most effective against diseases of the respiratory tract. The eucalyptus has scretolytic and secretomotor activities; several studies have shown that it also has antibacterial properties. The essential oils contained in Pine and in Eucalyptus act against various bacteria, including those responsible for respiratory infections (H. influenzae, S. pneumoniae, S. pyogenes and S. aureus); against these bacteria act by direct



contact in the passage through the upper respiratory tract. Furthermore, once absorbed in the intestinal tract, pass into the blood to be partly eliminated through the lungs; here, in addition to bactericidal action, stimulate the serous glands of the bronchial mucosa to produce mucus and ciliated epithelium to propel the mucus out with resulting expectoration. Finally, essential oils reduce the sensitivity of the peripheral receptors of the cough center.

**Horehound:** traditionally used in the symptomatic treatment of cough and acute bronchial diseases, it shows mucolytic and expectorant activity.

**Ivy:** internally known in the treatment of bronchial forms for the balsamic and expectorant action, thanks to the presence of saponins; latter fact irritate the gastrointestinal tract, giving way to a reflex act of stimulus on bronchial mucous membranes. It is used, in particular, to calm whooping accesses and spasmodic coughs (spasmolytic action).

#### **Indications**

Drinkable solution useful to promote the fluidity of bronchial secretions

#### **Directions for use**

Children: 5 mL from 1 to 3 times per day or depending on the doctor's advice

Adults: 10 mL from 1 to 3 times per day or depending on the doctor's advice

#### **Registration Number**

IT-54966