



BREATH UP®

BRONCHODILATOR – TOCOLYTIC

FORMULA		PRESENTATION
Clenbuterol HCl	3 mg Excipientes c.s.p.	100 ml

GLASS VIAL

100 ml.

Sterile solution



BREATH UP®

It is an adrenergic agonist β_2 selective and as such is a muscular relaxant of the smooth muscle with bronchodilatory and tocolytic function. The union of agonist β_2 to its receptor produces the activation of the Adenylyl Cyclase of inner side of the membrane which change the ATP into ampC, which acts as second messenger for the activation of specific kinase proteins. These kinases activate other enzymes which are in charge of producing relaxation of bronchial smooth muscle. They also inhibit the liberation of chemical mediators through proinflammatory cells and stimulate mucus secretion. Its therapeutic effect lasts for 6 to 8 hours, although its elimination is not fully complete until about 60 hours after its administration.

INDICATIONS FOR USE

Appropriate choice for pneumonias, Excess Post-exercise Oxygen Consumption (EPOC), respiratory failures together with dyspnoea, asthmatic crisis together with bronchospasms and cough. It can also be used to produce relaxation of the smooth muscles of the uterus.

VIA OF ADMINISTRATION AND DOSAGE

It is recommended to start with low doses due to the toxic effects that may occur.

As a bronchodilator, the recommended route is intravenous or intramuscular administration at a rate of 2.66 mL/100 kbp every 12 hours until symptoms resolve.

To produce uterine smooth muscle relaxation, a single dose of 10 ml per mare is recommended.

CONTRAINDICATIONS

Its use is contraindicated for pregnant mares which are near the probable labor date.

WARNINGS

At high doses toxicity can be observed which shows up in muscular tremors, perspiration and restlessness.

Store the product between 15 and 25 °C.
Keep out of reach of children and pets.

For veterinary use only.

