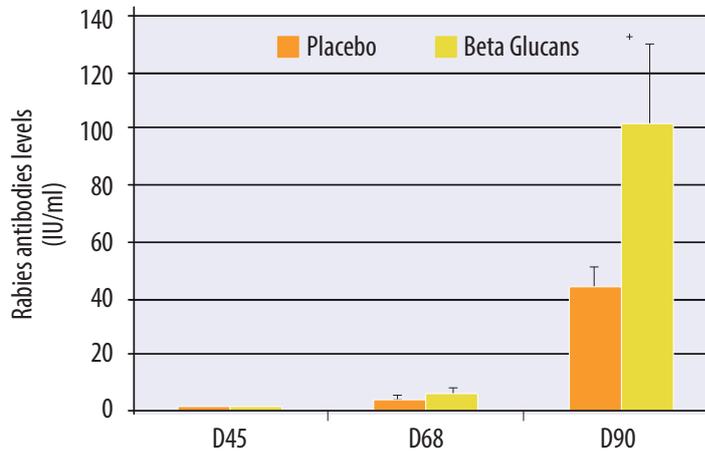


## WHAT WE KNOW

- Multiple factors can weaken the immune system and increase the risk of disease : stress, transport, competition, cold season, ...
- Echinacea's immunostimulatory activity is well established throughout the litterature. A recent study in dogs demonstrated its beneficial effects on the immune system <sup>(1)</sup>
- 1,3 1,6  $\beta$ -glucans, when extracted and purified appropriately, harbour well documented immunomodulating effets. A recent study in horses showed an improved vaccine response to a rabies vaccination protocol <sup>(2)</sup>

Race horses supplemented with 1,3 1,6  $\beta$ -glucans and vaccinated against rabies showed a significant increase in rabies antibodies overtime when compared with controls



<sup>(1)</sup>Torkan, S., Khamesipour, F. and Katsande, S. (2015). Evaluating the effect of oral administration of Echinacea hydroethanolic extract on the immune system in dog. *Autonomic and Autacoid Pharmacology*, 35: 9–13. doi: 10.1111/aap.12024

<sup>(2)</sup> Leleu C., Belloir M., Mainguet J.M., De Oliveira F., Roberti Filho, Paap P. Immunostimulation by oral supplementation with beta - 1,3/1,6 glucans in the horse in training : double blinded randomized trial. 41st day of Equine Research, March 2015 . Proceedings p.155.



## AUDEVARD SOLUTION : IMMUNO RS

- ✓ ***Echinacea purpurea***
- ✓ **Glucafeed®: a 1,3-1,6  $\beta$ -glucan**
- ✓ **Anti-oxydant vitamins and minerals**

### USES

- 1 Young horses
- 2 Changes in environment/ training
- 3 Winter months



# IMMUNO RS®

HIGH-RISK PERIOD

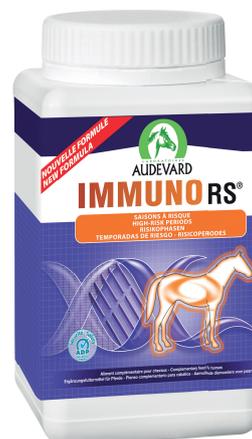
## Description

Horses are protected from viruses, bacteria, parasites, and other harmful agents by their immune system. The latest scientific advances show that horses with weakened immunity or living in conditions which foster loss of form (frequent competitions, excessive training, frequent changes in stable mates) require appropriate nutritional support.

## Purpose

IMMUNO RS is a nutritional supplement made by Laboratoires AUDEVARD. It is designed to provide appropriate nutritional support to foals and horses whose usual routine is disturbed by training, competitions, travel, etc., and for susceptible horses.

Enriched with plants (e.g. Echinacea) IMMUNO RS is particularly recommended ahead of high-risk periods (winter, intensive training, relocation, etc).



## Formula

IMMUNO RS' innovative formula contains echinacea and now includes Glucafeed®, a β-glucan produced via a specific and unique fermentation and extraction process. This unique production method is what makes this ingredient so beneficial in nutritional supplementation for horses during high-risk seasons. The new IMMUNO RS formula is enhanced by the antioxidant properties of vitamins A, C and E, and zinc and selenium chelates.

## Our advice

Help your customers plan ahead for high-risk periods for young foals, overtrained horses, and in the event of changes to a horse's environment. Advise them to give horses being introduced to a new environment a 10-day to three-month course of IMMUNO RS

## Daily allowance

One 50 g measure morning and evening for 10 days to three months, as required. If necessary, IMMUNO RS can also be used continuously.

## Professional format

1 kg box - (EAN 3401196950150). Sufficient for up to 10 days' use in adult horses.

5 kg box - (EAN 3515651831837). Sufficient for up to 50 days' use in adult horses.

### Composition for 1kg

#### Additives:

- 2b- Aromatic substances: apple flavour 3,300 mg
- 3a- Vitamins, provitamins and substances with analogous effect: 3a672a vitamin A 37,500 IU, E300 vitamin C 25,000 mg, 3a700 vitamin E 1,250 mg.
- 3b- Trace elements: 3b607 zinc chelate 1,000 mg, 3b8.10 selenium (Selplex®) 2.5 mg.
- 4a- Digestibility enhancers: 4a1704 YEA SACC (*Saccharomyces cerevisiae* - CBS 493.94) 3.2 x 10<sup>10</sup> CFU

#### Raw materials:

Calcium carbonate, mineral dicalcium phosphate, whey, echinacea (*Echinacea purpurea*), sugar beet molasses, Glucafeed® (yeast wall extract).

#### Analytical constituents:

Humidity < 8%, crude proteins 6.7%, crude fats 3.7%, crude ash 47 %, crude cellulose 1.5 %, calcium 16 %, phosphorous 4 %, sodium 1 %, magnesium 0.5%.

This product belongs to the complementary feed for horses category.