

HYPERMUNE NEWS

Our dedication is to

Quality

Safety

Efficacy

&

An uncompromising high standard of service at all times

CONTENTS:

Rhodococcus equi

Timing plasma administration

ELISA Test

Plasma handling, storing, thawing & warming

Failure of Passive Transfer

Rotavirus antibodies

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HYPERMUNE – RE



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**High levels of specific antibody to Rhodococcus equi.
Equine IgG >24g/l
Equine Total Protein > 50g/l
+ All the benefits of plasma**

Our purpose is to promote all the benefits of immunoprophylaxis and immunotherapy and to be established as the premier producer of the finest animal plasma in the world.

EQUINE PLASMA PRODUCTS

Hypermune

Hypermune-RE

Hypermune-J

Hypermune-RV

We are pleased to say that HYPERMUNE-RV equine plasma containing high titres of equine H2 strain rotavirus antibodies will be available at the start of the 2005 foaling season. Oral syringes are the most effective way of administering the plasma as it neutralises the rotavirus by bathing the lining of the gut with specific antibody, even in the face of active rotavirus disease.

Veterinary Immunogenics Ltd
Carleton Hill
Penrith
Cumbria CA11 8TZ
England

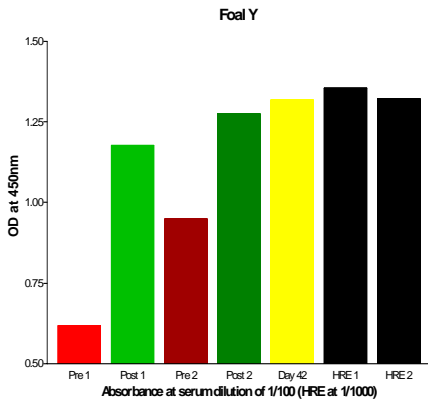
Please note that normal shipping schedules cannot be met over Christmas and New Year holiday periods because national holidays occur on Monday 27th December, Tuesday 28th December and Monday 3rd January.

THEREFORE WE ARE UNABLE TO SHIP FROM WEDNESDAY 22ND DECEMBER TO MONDAY 3RD JANUARY INCLUSIVE

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Regulatory compliance continues to increase our costs. Please note, however, PRICES ARE HELD UNTIL 1st January 2005





ELISA tests are used world wide for measuring specific antibody levels. Veterinary Immunogenics is now using its validated test to measure and study *R equi* antibody in plasma and in recipient

foals. This chart shows levels in a 2 day old foal pre 1st transfusion (pre 1) and post 1st transfusion (post 1). The level at 4 weeks later pre 2nd transfusion (pre 2) and post 2nd transfusion (post 2) and again at 6 weeks of age (day 42) illustrate the capacity of Hypermune-RE to significantly augment the specific antibody level in the recipient foal. The black bars are the levels of *R equi* antibody in each litre of plasma used. Foal serum samples were tested at 1:100 dilution and the Hypermune-RE was tested at 1:1000 dilution.

***Rhodococcus equi* plasma** is used extensively to reduce the incidence and severity of disease in foals. The data from a study conducted on an endemic stud farm in 2003 and 2004 supporting this was presented at this year's BEVA congress. These studies, and customer feed back commenting on use in the 2004 foaling season affirm that using the high quality product, Hypermune-RE, will only achieve the best results when its administration is timed to coincide with the vulnerable foal's exposure to infection, **irrespective of the age of the foal.**

The transfused specific antibody is then sustained at a satisfactory level, by a second transfusion if necessary. This is particularly important when the high risk period coincides with the foal's most susceptible age. It is paramount to consider each stud's foaling pattern in relation to anticipated challenge period. If it will help to discuss this please do not hesitate to contact us.

Hypermune products are expensive –
 maximise the benefits by training your staff to
 handle, store,
 warm, & thaw
 Without damage.

Detailed information is available on request

Safety Study. In 2004, at a GLP licensed site VIL commissioned an EU compliant safety study in which foals received Hypermune-RE at 1-2 days of age with subsequent daily monitoring for 14 days thereafter. This was repeated following a second transfusion approximately three weeks later the overall results of which re-affirmed the safety of the product. It should be noted, however, that safety can be compromised when plasma is used contrary to the manufacturer's instructions.



United Parcel Service (UPS) our main international carrier, now has a facility to keep you updated of your shipment's progress by email. Please supply your email address and contact name when you next order to allow us to update our database.

Failure of Passive Transfer may require more than one administration of Hypermune to sustain satisfactory levels of foal serum IgG. The results of a 2003 study, charted below suggest that FPT foals may benefit from a second litre at 3-4 weeks old to close the window of susceptibility to septic challenge. This concurs with the literature that foal serum IgG increases naturally only after 8-10 weeks of age. (Veterinary Immunology – Tizzard 7th Edition 2000.)



WE SEND YOU CHRISTMAS GREETINGS AND GOOD WISHES FOR 2005

