



VET EXPERT

BASED ON EVIDENCE

Contact Us For More Information - +91 88000 18535, +91 88000 18539,
Email – Info@vetexpert.in, www.vetplanet.net

VetoMune 120 mg

❖ Indications:

The product helps to support the both humoral and cellular non-specific immunity in dogs and cats.

❖ Content:

- β -1,3/1,6 – glucan, HMB

❖ Packing:

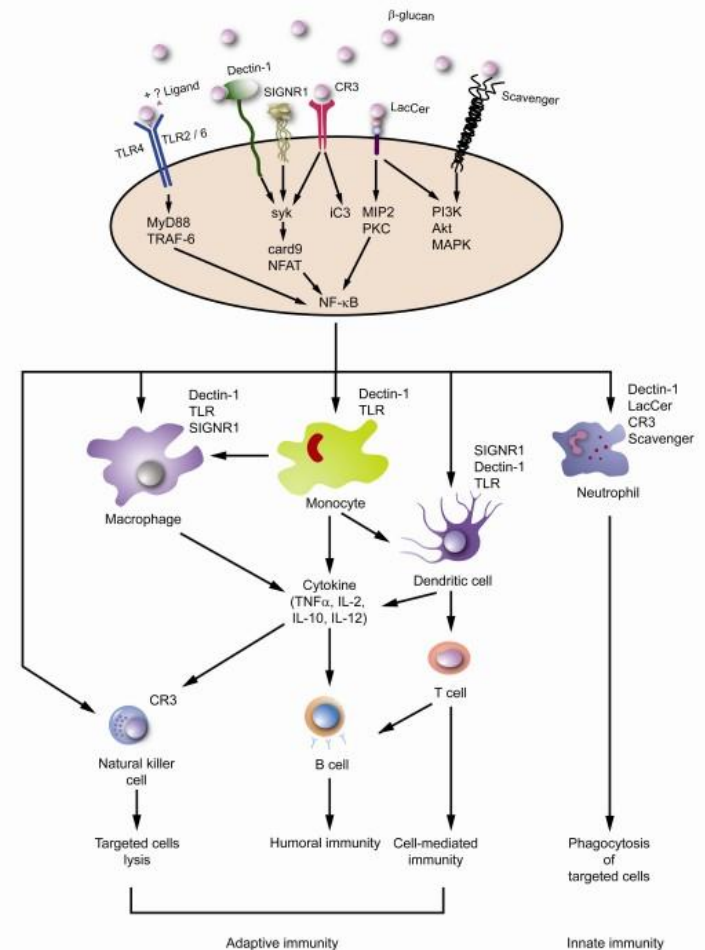
- 60 twist off /pack
- 20 packs/ box



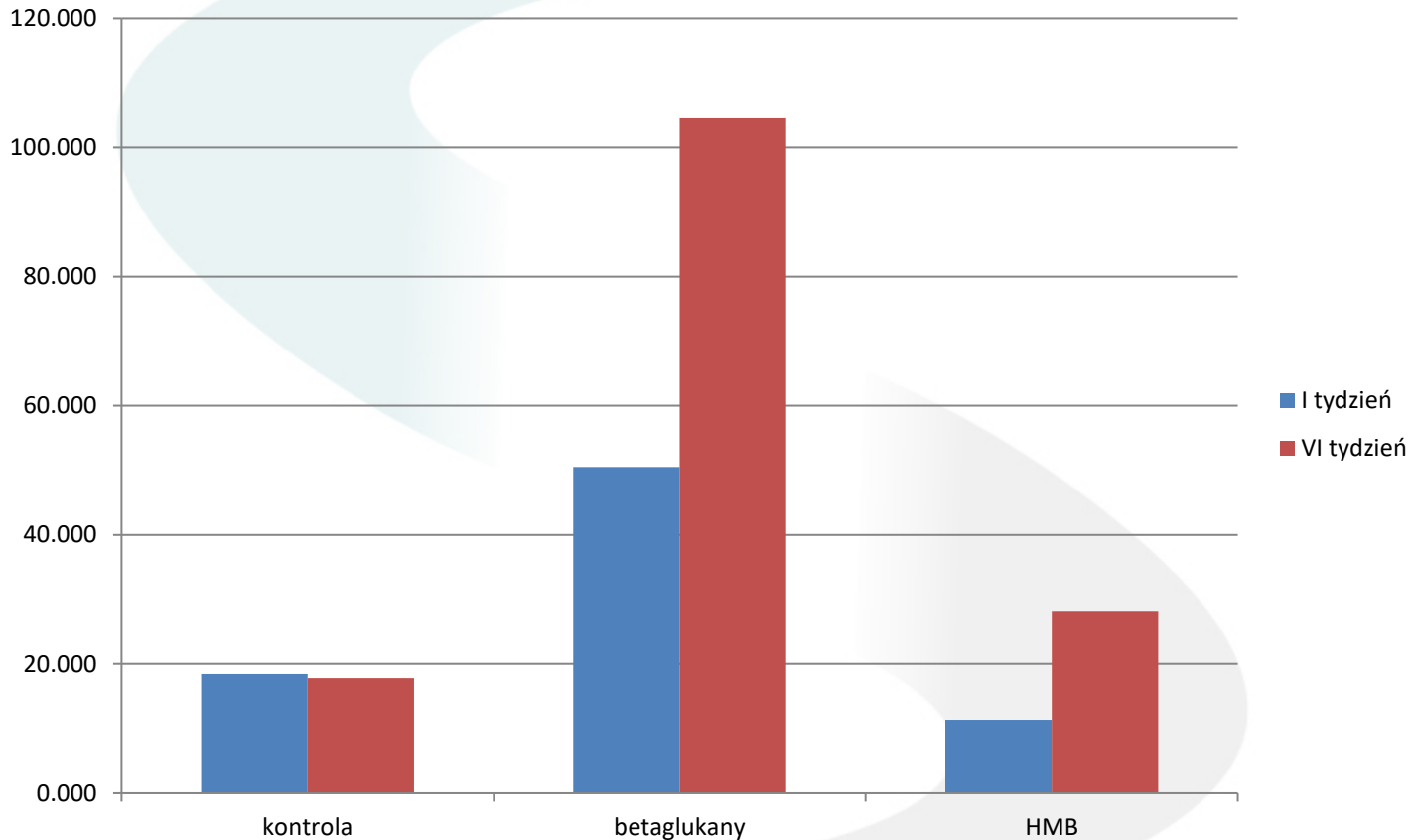
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Beta-glucan

- Glucans are polysaccharides occurring naturally in cell walls of many yeasts
- The most active ones are β -1,3/1,6-D-glucans which are non-soluble in water and are mainly isolated from *Saccharomyces cerevisiae*.
- Beta-glucan acts at the level of receptors – mainly through Dectin-1 receptor. It stimulates different pathways and target cells, namely monocytes, macrophages, dendritic cells NK cells and neutrophils. Stimulates both innate and acquired immunity (Chan i wsp., 2009)



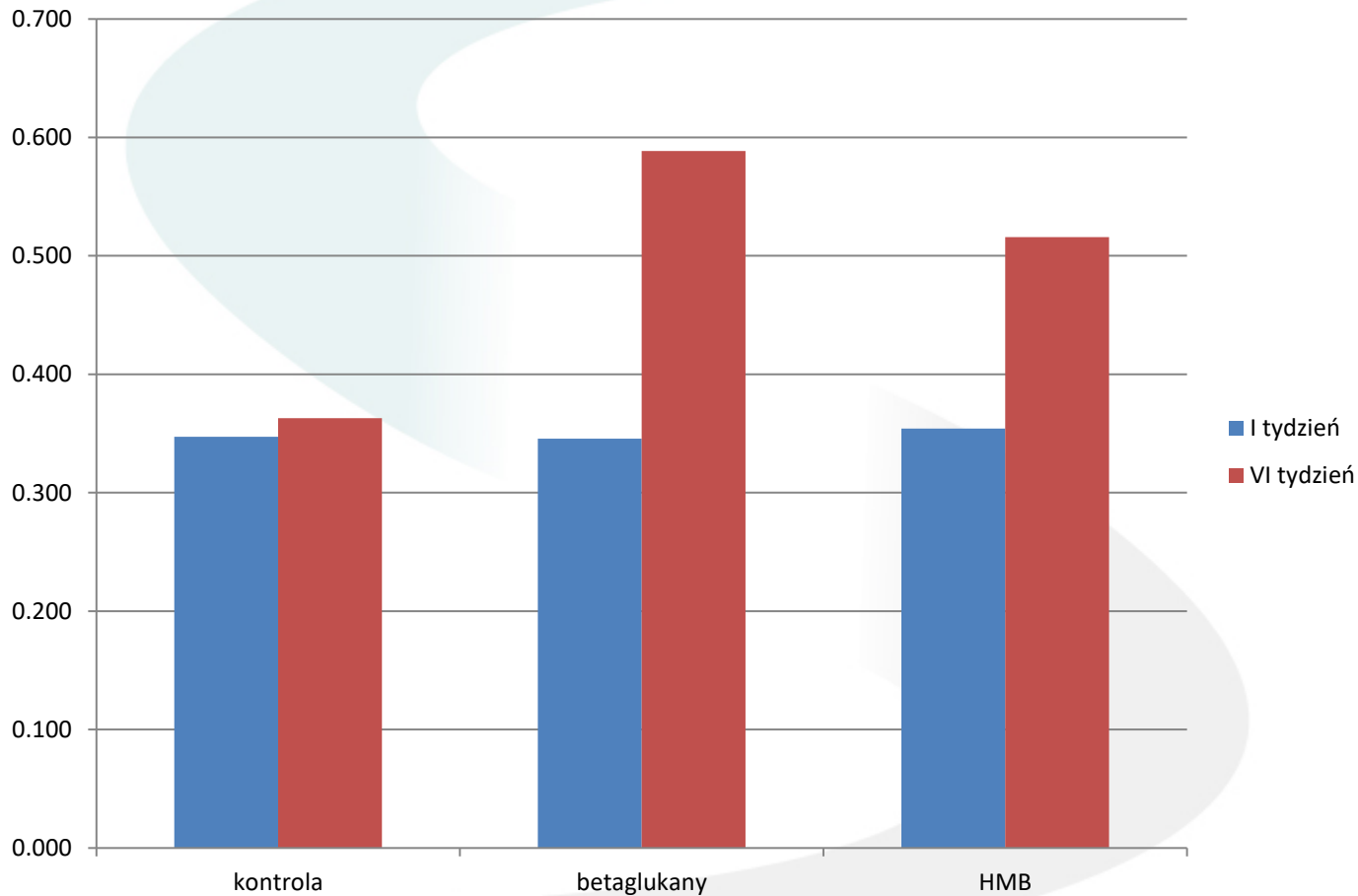
Beta-glucan activity



The average level of anti-inflammatory cytokine IL-10 in dogs with chronic inflammatory bowel disease treated with beta-glucan and beta-hydroxy-beta-methylbutyrate as immunostimulants (Malewska, 2011)

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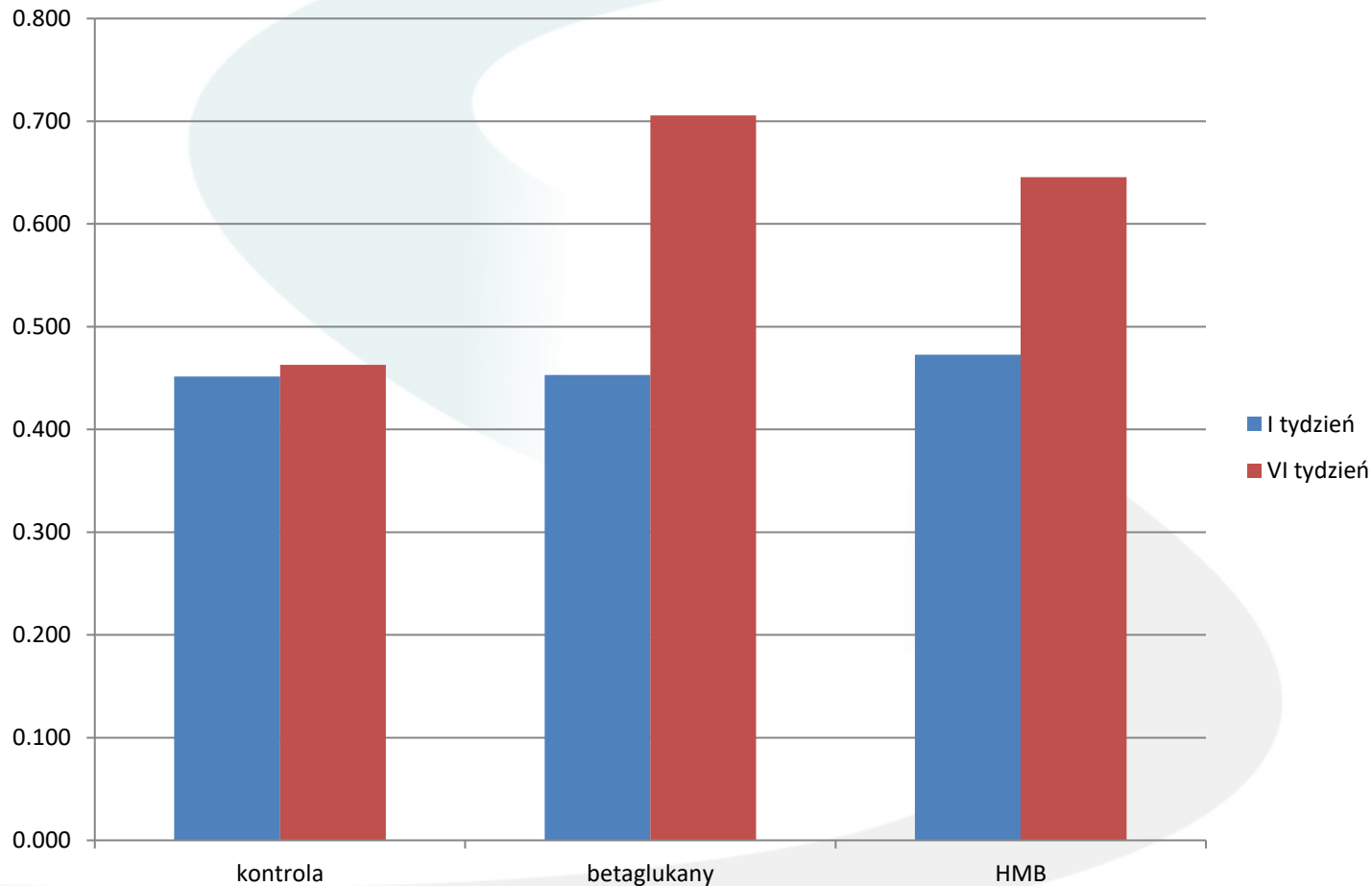
Beta-glucan activity



Intracellular killing activity of phagocytes dogs with chronic inflammatory bowel disease treated with beta-glucan and beta-hydroxy-beta-methylbutyrate as immunostimulants (Malewska, 2011)

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Beta-glucan activity



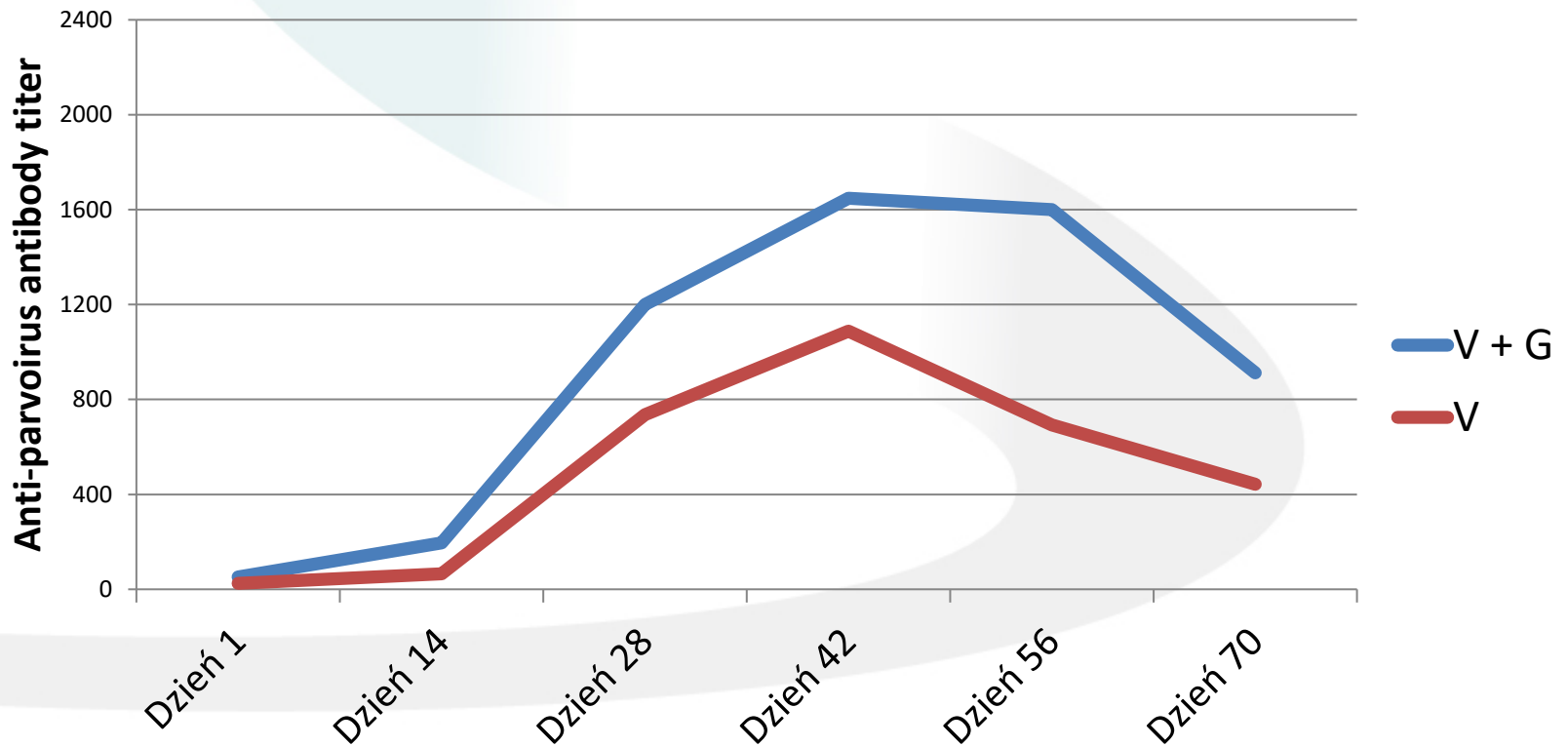
Proliferative activity of blood lymphocytes stimulated with LPS in dogs with chronic inflammatory bowel disease treated with beta-glucan and beta-hydroxy-beta-methylbutyrate as immunostimulants (Malewska, 2011)

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IMMUNOMODULATORY EFFECT OF GLUCAN ON SPECIFIC AND NONSPECIFIC IMMUNITY AFTER VACCINATION IN PUPPIES

Haladova E., Mojziso J., Smrco P., Ondrejko A., Vojtek B., Prokes M., Petrova E.
(2011)

Anti-parvovirus antibody



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Beta-hydroxy-beta-methylbutyrate

- Organic compound produced naturally as a product of leucine metabolism
- HMB, similarly to butyrate, increases the growth of intestinal villi and is a source of energy for enterocytes
- Could stimulate immune system through:
 - Stimulation of metabolic activity of phagocytes
 - Stimulation of B- and T-cells proliferation
 - Increases the number of antibody producing cells
 - Stimulates phagocytosis of monoclonal and polyclonal antibodies



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Vetomune

NUTRITIONAL PURPOSE

- The product helps to support the both humoral and cellular non-specific immunity in dogs and cats.

Content:

- β -1,3/1,6 – glucan, HMB

Key benefits:

- Contains ingredients with scientifically proven immunomodulatory action – beta-glucan and 3-hydroxy-3-methylbutyrate
- Stimulates both humoral and cellular immunity
- Could be effectively used during the period of vaccination or after periods of enhanced stress
- For periodic administration in growing animals in order to stimulate immune system development
- High purity beta-glucan inside
- Product produced in factory fulfilling Good Manufacturing Practice requirements – the highest quality standards in pharmacy

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