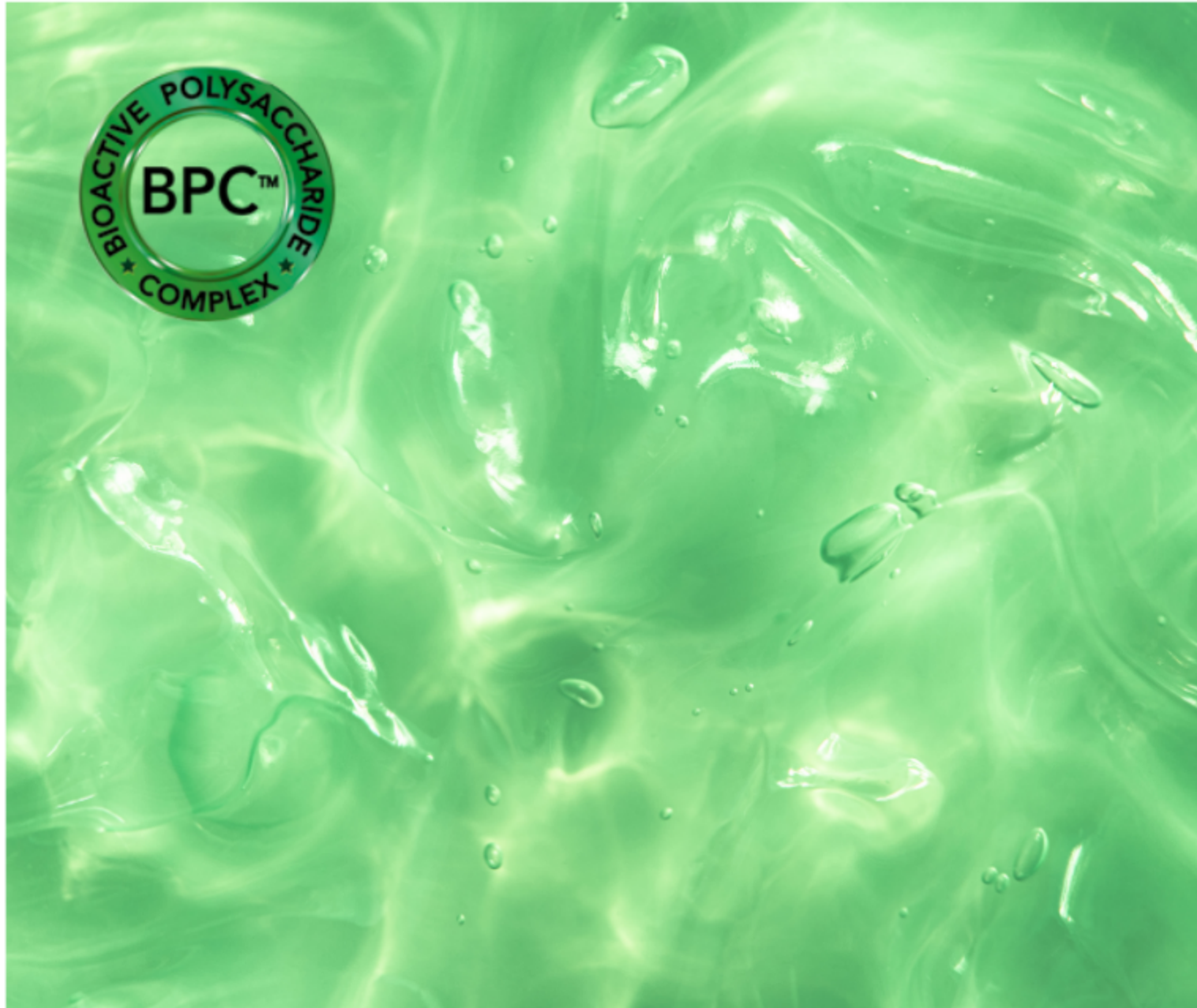


TeloPet BioActive Polysaccharide Complex (BPC®) Science and Studies



Excellent Immunomodulatory, Antiviral, Antitumor, and Tissue Regeneration Effects

Biocompatibility extracted from our Aloe vera has a wide range of applications in the biomedical field due to excellent immunomodulatory, antiviral, antitumor, and tissue regeneration effects.

Dental Gum Tissue Proliferation and Bone Protein Integrity

At day 28, the teeth were examined and evaluated for the degree of inflammation, dentin formation, and pulp tissue organization. The results revealed that our Aloe vera significantly increased pulp cell proliferation, bone protein integrity, alkaline phosphatase activity, dentin protein expression, and mineralization. It also has tissue pulp biocompatibility and promotes soft tissue organization.

TeloPet BioActive Polysaccharide Complex (BPC®) Science and Studies



Stimulates Dental Cell Proliferation, Differentiation, Mineralization, and Dentin Formation

Our Aloe vera accelerated new dentin formation via pulp cell proliferation, differentiation into odontoblast-like cells, upregulation of healthy tissue expression, and mineral deposition.

Immunomodulatory Potential of Aloe Vera Against Radiation

Our Aloe vera has been reported to stimulate growth, differentiation and proliferation of immature blood cells that can develop into different types of mature blood cells and stem cells to protect against the deleterious effects of radiation. Our Aloe vera has the ability to protect mice against radiation-induced mortality and can be developed as a radiation damage mitigation agent.

TeloPet BioActive Polysaccharide Complex (BPC®) Science and Studies



Disease Management to Wound Healing, Bone Regeneration and Gut Health Across Multiple Species

A pivotal study on infected cats with clinical signs of disease revealed that our Aloe vera administered intravenously, subcutaneously, or orally led to significant increases in lymphocyte counts and decreased neutrophil counts and sepsis incidence. The study demonstrated a 75% survival rate.

For another study involving 50 cats showed that our Aloe vera significantly extended survival time and improved quality of life. The mechanism appears linked to acemannan's ability to stimulate macrophages, which initiate immune responses resulting in necrosis and regression of cancerous cells.

Extended Life Expectancy

Our Aloe vera has been reported to stimulate growth, differentiation and proliferation of immature blood cells that can develop into different types of mature blood cells and stem cells to protect against the deleterious effects of radiation. Our Aloe vera has the ability to protect mice against radiation-induced mortality and can be developed as a radiation damage mitigation agent.

TeloPet BioActive Polysaccharide Complex (BPC®) Science and Studies



Dental, Bone and Soft Tissue Regeneration, Antiviral and Antitumor Effects

Aloe vera plays an important role in transmitting information between cells and regulating bodily functions. It exerts different biological functions by stimulating cell proliferation and/or cytokine expression, such as immunomodulatory effects, antiviral effects, anti-tumor effects, dental tissue regeneration, bone tissue regeneration, and soft tissue regeneration.

Cats Infected with an Immunodeficiency Virus

Our Aloe vera treatment resulted in a reduction of infected cats and was associated with decreased inflammation and increased immunity as a result of our therapy. This suggests that our Aloe vera is useful as an aid in treatment of the immunosuppression that gives rise to chronic infections in infected cats. In addition, survival rates in our Aloe vera, treated cats exceeded those observed in limited historical controls in feline-infected populations.