

BlackFin HEMP™
FOR MEDIUM TO LARGE DOGS By 1:20 VET™



Why BlackFin HEMP™?

Groundbreaking **BlackFin HEMP™** nano-domain technology provides a significantly smaller and more stable delivery mechanism to ensure that **10x more CBD** reaches the bloodstream.

BlackFin HEMP™ positively effects the following areas of concern:

- 🌿 Behavior
- 🌿 Occasional Discomfort
- 🌿 Immunity
- 🌿 Joint Mobility
- 🌿 Digestion
- 🌿 Neurological Health & Cognitive Function
- 🌿 Aging

"BlackFin HEMP™ has impressed me with its properties supporting occasional discomfort associated with normal ocular strain. I recommend it to support ocular health and comfort as pets age and experience everyday eye strain." - C. Colitz, DVM, PhD, DACVO, MBA

PRODUCT FACTS

Active Ingredient	Amount per Administration Unit
CBD from Hemp Extract	25 mg

Gelcap Inactive Ingredients: Ethanol, Medium chain triglycerides, Polyoxyethylene sorbitan monooleate, Vegetable oil, Softgel (Gelatin, Glycerin, Purified Water)

SUGGESTED USE FOR MEDIUM TO LARGE DOGS

Weight (lbs.)	Daily Use
30-60	Week 1 & 2: 1 Softgel Daily Week 3+: 1 Softgel Every Other Day
61-80	Week 1 and Week 2: 1 Softgel AM, 1 Softgel PM Week 3+: 1 Softgel AM
80+	Week 1 and Week 2: 2 Softgels AM, 1 Softgel PM Week 3+: 1 Softgel AM, 1 Softgel PM



BlackFin HEMP™ is clinically researched and trusted by **Johanna Meji-Fava, DVM, PhD**, (marine mammal ophthalmology), a holistic marine and zoo veterinary consultant to facilities in over 90 countries around the world.

Buy One, Give One ❤️

In support of our veterinary colleagues at zoo and aquarium facilities around the world, 1:20 Vet™ is donating one unit of **BlackFin HEMP™** for each unit sold for a companion animal.

What makes BlackFin HEMP™ uniquely superior?



BlackFin HEMP™ provides a much smaller and more stable delivery mechanism for better utilization of the hemp molecules. Hemp-extracts commonly use a micelle or liposome delivery system, but this method is unstable in the harsh acidic environment of the stomach and has limited extract absorption because of its large molecular size, rendering it a less effective hemp product.



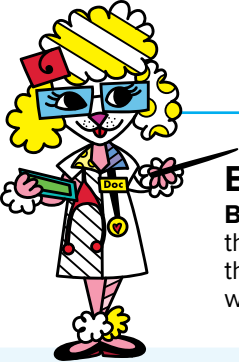
Nano-domain technology is about 1/2000 the width of a human hair and when compared to typical delivery methods, BFH ensures that **10x more** hemp extract reaches the bloodstream.



First HEMP supplement to be studied and published in zoo medicine species, including the first dolphin in the world to be on a continual hemp protocol.

For more information visit us at BlackFinHEMP.com or call 800-721-1310





BRITTO Partnership

BlackFin HEMP™ and **1:20 Vet™** have exclusively collaborated with world-renowned artist ROMERO BRITTO to provide this high quality hemp supplement educating our community on zoo and wildlife health care and conservation through “Poodle Doc”. Poodle Doc, inspired by **Animal Necessity®** mascots KeyKey and Jilly, will provide consumers with valuable information on **BlackFin HEMP™** and the importance of supporting our zoos and aquariums.

All Animals Have an Endocannabinoid System

Anandamide, known as the “bliss/happy” molecule, promotes the neurotransmitters serotonin and GABA, to provide a calming effect and digestive and neurological support. Anandamide also helps support a normal inflammatory response and regulate the immune response through CB2 receptor interactions.

A primary mechanism of CBD is the reuptake inhibition of anandamide. Anandamide is chaperoned away from the synapse by a fatty acid binding protein (FABP) and broken down by fatty acid amide hydrolase (FAAH). CBD interrupts this process by preferentially binding to FABPs for a long period of time, inhibiting the intracellular degradation of anandamide by FAAH.

Bottom line: More anandamide means more happiness and homeostasis.

Benefits

Eyes

Maintains and supports the normal inflammatory response of the eye

Brain

May reduce hyperactivity, promote relaxation, and provide neuroprotective benefits.

Bones/Muscles/Skin

Maintains function of the muscles, joints, and connective tissue

Immune System

Helps regulate a normal inflammatory cytokine cascade

Vascular System/Heart

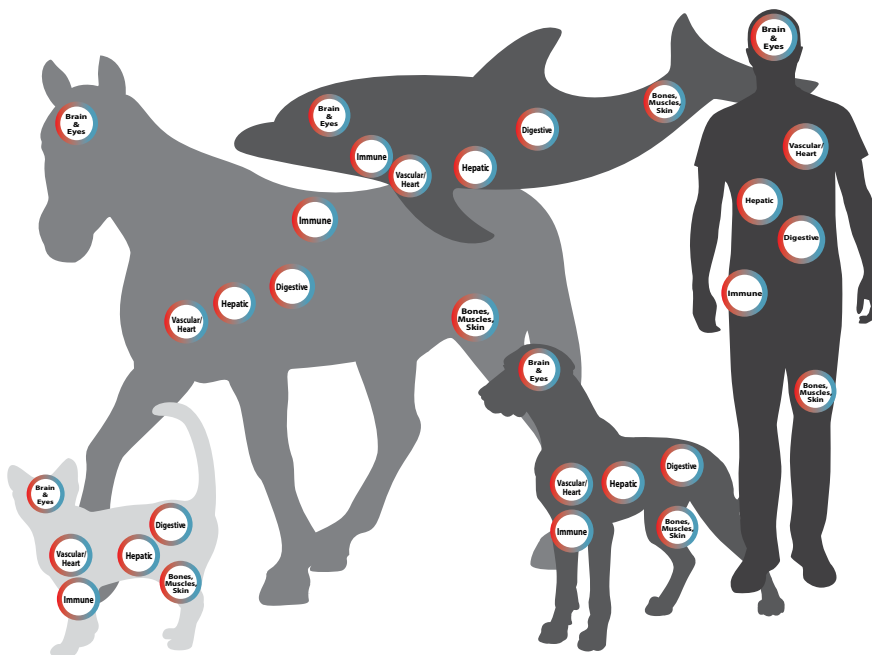
Helps support cardiovascular function, vascular health, circulation and provides cardioprotective benefits.

Digestive System

Promotes gastrointestinal health and function, as well as immune health, while helping maintain a normal appetite.

Hepatic System

Helps support liver health by maintaining a normal inflammatory response, helping to reduce oxidative stress, and promoting hepatic cell regeneration.



**Human/Cat/Dog/
Horse/Dolphin***

Brain & Eyes
Immune System
Bones/Muscles/Skin
Digestive System
Vascular System/Heart
Hepatic System

*Distribution of receptors is
similar among species,
but density may differ.*

*Note: Research is still being conducted on dolphin CB1 and 2 protein receptors. Uniprot.org references that dolphins contain CB1 receptors. Protein receptors is inferred, as other species related to the dolphin have it.

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SUGGESTED USE FOR ZOO & AQUARIUM ANIMALS

Weight (lbs.)	Daily Use
30-60*	1 capsule every other day
61-100*	1 Capsule once daily
101-300*	1 capsule AM and PM
301-600*	2 Capsules AM and PM
601-800*	3 capsules AM and PM
801-1000*	4 capsules AM and PM



1:20 VET™ is brought to you by
ANIMAL NECESSITY®

Animal Necessity® provides a family of superior quality supplements, with unique formulations driven by science.

Our Scientific Advisory Team includes over 100 years experience in veterinary medicine, including 60 years in board certified veterinary ophthalmology, pharmacology, and orthomolecular nutrition.

Animal Necessity® products are all created and certified under FDA Good Manufacturing Practice regulations..

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