

What Are Cannabidiols and How Can My Dog Benefit from Them?

Cannabidiol (CBD) is one of the major **non-psychoactive** cannabinoids produced by a number of plants with the most notable being Cannabis sativa L. It is 100% natural, 100% safe, and 100% legal ☺.

Background and Physiological Details:

Dogs, and all mammals actually, have an endocannabinoid system (ECS) whose function is to receive and process nutritional cannabinoids. The ECS is involved with a number of physiological processes including mood, pain-sensation, nausea, memory, appetite, and inflammation.

ECS cannabinoid receptors are broken down into two types, CB1 & CB2, and are located in various parts of the body:

CB1 receptors are located in:	CB2 receptors are located in:	CB1+CB2 receptors are located in:
Brain	Bones	Immune System
Vascular System	Spleen	Bone Marrow
Lungs	Skin	Liver
Muscles	Glial Cells	Pancreas
Gastrointestinal Tract		Brainstem
Reproductive Organs		

Focusing on the brain of the dog, cannabinoid receptors in the brain are located in:

Brain Stem – This, of course, involves many functions, but notably blood pressure & heart rate, pain sensation, muscle tone & movement, and vomiting reflexes.

Amygdala – Involved with emotions

Cerebral Cortex – Memory, thinking, overall awareness & consciousness

Basal Ganglia – Controls motor skills & learning

Hypothalamus – Metabolic activities such as appetite

Hippocampus – Memory storage and recall

Cerebellum – Controls coordination and muscle control

Summary:

Cannabidiol benefits in humans are well known and multiple and can also have many significant and useful benefits for dogs. Keeping in mind that most of the feedback is based on human trials and human observations of animals given cannabinoids as we cannot ask our dogs if they feel, for example, less joint pain.

However, there is a growing and significant level of agreement on at least certain key benefits among experts and dog owners - though those benefits may vary from dog to dog (just as with humans).

Most agree that the following benefits are provided by the use of cannabidiols in dogs:

1. **Anxiety relief**
2. **Joint pain relief**
3. **Appetite stimulation**
4. **Generalized pain and inflammation relief**

Serving suggestions:

We suggest starting with a smaller serving than noted and working quickly towards the serving suggestion. After that, give 1 treat per 25lbs. You may repeat this serving every 4 to 6 hours as needed.