

Understanding CBD Dosing

Dosage Recommended by:	Dosage Recommended	Administration Dose		Functional Dose after Absorption		Vediol Administration Dose	Vediol Functional Dose after Absorption
		low	high	low	high		
James Gaynor, DVM, DACVAA, DACVPM	0.02 mg to 0.1 mg/kg	0.009 mg/lb	0.045 mg/lb	0.00036 mg/lb	0.0054 mg/lb	0.08 mg/lb	0.051 mg/lb
Liberty Leaf and ESEV Study 3-year Canadian Study on OA	0.3 mg/kg	0.136 mg/lb		0.0054 mg/lb	0.016 mg/lb	0.08 mg/lb	0.051 mg/lb
States of Nevada & Colorado (soon to emerge State Rule of Thumb)	0.11 mg to 0.55 mg/kg	0.05 mg/lb	0.25 mg/lb	0.002 mg/lb	0.03 mg/lb	0.08 mg/lb	0.051 mg/lb
Cornell Study	2 mg/kg	0.9 mg/lb		0.036 mg/lb	0.108 mg/lb	0.08 mg/lb	0.051 mg/lb
New European Gold Standard Dose	0.22 mg/kg	0.1 mg/lb		0.004 mg/lb	0.012 mg/lb	0.08 mg/lb	0.051 mg/lb

CBD dosing recommendations vary; ranging widely depending upon the source referenced (from 0.02 mg/kg to 2 mg/kg). It is noteworthy that these doses are progressively coming down as more work is being done with CBD.

Orally, CBD is very poorly absorbed, demonstrating a normal oral absorption curve of only **4% to 12%**. The “**Functional Dose**” successfully received at target receptors following absorption is therefore given in the 1st two columns in **red**.

This is in large part due to:

- (1) CBD's **degradation in gastric acid**,
- (2) CBD's significant **First Pass Effect** metabolism by the liver,
- (3) CBD demonstrates a **Biphasic Dose Response Curve** (meaning, more is not necessarily better).

Vediol contains **0.265 mg of CBD per drop**, with approximately 1132 drops in a 2-ounce bottle (300 mg CBD/2-ounce bottle).

Because of the sophisticated technologies built into Vediol (backed multiple patents and patent pendings), gastric acid degradation is avoided, and First Pass Effect metabolism by the liver is bypassed for more effective absorption directly into the bloodstream. Thus, the absorption curve of Vediol is more in line with that which would be seen with inhalation and/or sublingual absorption routes of administration. Vediol has been built with science. It's not just a blend.

Vediol is initially dosed as follows:

(dosage adjusted to effect):

Dogs - 0.08 mg/lb twice daily (3 drops per 10 lb of body weight)

Cats - 0.256 mg to 0.53 mg (1 to 2 drops twicedaily per cat)

PBBD=E

Purity - we utilize a novel, “cold-pressed” technology to deliver a stable and high level of active CBD in every dose, ensuring there is no heat damage to the active phytonutrients in the oils.

Blend - our proprietary blend insures the Entourage Effect and enhanced synergistic product effectiveness.

Bioavailability - we utilize patent pending Taurinol™ to enhance bioavailability of fat-soluble compounds, and Piperine ester to increase bioavailability of non-fat soluble compounds.

Delivery - we utilize a technology that creates a condition of polymorphism to enhance absorption through formation of micro-particles (“micelles”) for holding small volumes of chemical reactants for improved assimilation (digestion and absorption) of active ingredients, plus two absorption enhancing technologies to enhance mucosal penetration for accelerated onset of beneficial effect.

**All this technology =
ENHANCED PRODUCT EFFECTIVENESS**



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