

Intravenous CBD



Cannabis - CBD

General information about medical use of cannabis



What is
PicoIV?

The worlds only sterile cbd iv, with particle size of 1000 times smaller than a nanometer. Cbd Picometer interacts with our body in a new way because of its particle size, and reaches areas and afflictions larger particle sized cannabinoids can not.



How can
it help?

It interacts with your body's receptors to promote overall health and benefits. It is unmatched in its ability to tap into the root cause of disease. It is being used for Crohn's disease, cancer, diabetes, HIV, and much more.



Our
mission

We are passionate about CBD. And that means pushing the limits on what we know, exploring the different ways it can be used, and creating new products that benefit all.

The medical view on cannabinoids

Cannabis oil is widely beneficial and is considered as one of the most effective oils for the alleviation of certain conditions and illnesses. Researchers believe there are at least two active chemicals in cannabis that have medicinal applications: cannabidiol and tetrahydrocannabinol. Cannabidiol, also known as CBD, impacts the brain without a high, and tetrahydrocannabinol, also known as THC, has pain relieving properties. The health benefits of cannabis oil are caused by these medicinal applications. Here are the top 15 health benefits of cannabis:

RELIEVES PAIN

Cannabis oil is often suggested for people who suffer from chronic pain, inflammation and occasionally in emergency pain relief. This is the reason why people who have been diagnosed with cancer turn to cannabis-related products, including cannabis oil, when they need relief from the pain of the chemotherapy or the disease itself.

HELPS CONTROL EPILEPTIC SEIZURES

The effects of cannabis oil/cannabis essential oil, more specifically the cannabinoids such as THC, help to control seizures by attaching to the brain cells that are responsible for regulating relaxation and controlling excitability.

SLOWS ALZHEIMER'S DISEASE

The effects of cannabis oil/cannabis oil benefits may be able to slow the progression of Alzheimer's disease. THC, the active chemical in cannabis oil, slows the establishment of amyloid plaques by blocking the enzyme in the brain that makes them. Amyloid plaques are what kill brain cell and ultimately cause Alzheimer's disease.

IMPROVES HEART HEALTH

The elusive oils in cannabis oil can help improve heart health by balancing out the negative oils that are in a person's system. In addition, the oil can stimulate antioxidant processes such as maximising the health of the cardiovascular system and scraping off excess cholesterol.

Multiple Sclerosis Pain

One of the health effects of cannabis oil includes the ease of pain symptoms from multiple sclerosis. The THC in the cannabis oil attaches to the receptors in the nerves and muscles in order to relieve pain. There are also studies that suggest THC helps to control muscle spasms.

ENHANCES APPETITE

It's a well-known fact that those who consume cannabis in any form notice an increased appetite. However, the use of cannabis oil can help you regulate your appetite and encourage hunger. At the same time, it can stimulate your digestive system in order to operate on a regular level.

TREATS INFLAMMATORY BOWEL DISEASES

Studies suggest one of the effects of cannabis oil could aid patients with inflammatory bowel diseases such as ulcerative colitis and Crohn's disease. The THC and CBD chemicals interact with the body's cells, which plays an important role in immune responses and gut functions. The THC-like compounds that the body produce increase the permeability of the intestines, which allows bacteria in. The cannabinoids from cannabis oil block these body-made cannabinoids helping to prevent the permeability and ensuring the intestinal cells have a tightened bond.

INCREASES SLEEP LONGEVITY

If you suffer from the constant anxiety during the night time hours, or suffer from insomnia or struggle from getting a restful, undisturbed sleep, then cannabis oil might be the solution for you. The cannabis oil works by relaxing the mind and body, and generating a lower energy level, it will be easier for you to get your heart rate down and clear your mind to allow for a long, restful sleep.

RELIEVES ARTHRITIS DISCOMFORT

The health benefits of cannabis oil in regards to rheumatoid arthritis include promoting sleep, reducing inflammation, and alleviating pain. These effects of cannabis oil combined help to relieve the pain and discomfort that people with arthritis have.

REDUCES GLAUCOMA

In regards to eye health, cannabis oil has been linked to the reduction in glaucoma and the prevention of macular degeneration. As people age, eye health is one of the major reasons why people turn to cannabis oil.

SOOTHES TREMORS

The effects of cannabis have been shown to reduce pain and tremors, and improve sleep for those who have Parkinson's disease. There has also been research that demonstrated improved fine motor skills among its patients.

RELIEVES ANXIETY AND STRESS

One of the most popular and well-known uses of cannabis oil is for the purpose of relief from anxiety and stress. The natural compounds found in cannabis oil are effective for releasing relaxing the mind, releasing pleasure hormone, reducing stress and inducing a sense of calmness and relaxation to the user.

TREATS PTSD

The naturally occurring cannabinoids, similar to THC, contribute to the health benefits of cannabis oil. The cannabinoids help to regulate the system that causes anxiety and fear in the brain and body. This specific use of cannabis oil has been connected to benefiting veterans with post-traumatic stress disorder.

PROTECTS BRAIN AFTER STROKE

Research shows that the effects of cannabis may help to protect the brain from the damage that is caused by a stroke. This is done by reducing the size of the area that was affected by the stroke. There has been research that has shown neuroprotective effects from cannabis that protects the brain in the case of other traumatic events, like concussions.

PREVENTS CANCER

Early reports of research have shown that the active ingredients in cannabis oil can reduce tumour size and have preventative effects on cancer, and says that the oil makes it easier to beat cancer for those suffering with the disease.

Pharmacologic actions of Cannabinoids

Cannabinoids



Medical Cannabis

Cannabidiol "CBD"

- Exogenous cannabinoid
- Antagonist CB1, CB2
- Less analgesia, antiemetic than THC
- May block psychoactive s/e and potentiate other effects of THC
- Possible anti anxiety, anticonvulsant, neuroprotective effects

Delta-9 THC

- Exogenous cannabinoid
- Partial agonist CB1, CB2
- Psychosis
- Impaired cognition
- Euphoria, anxiety
- Sedation
- Muscle relaxation
- Analgesia
- Antiemetic



Benefits

Conclusive evidence

- Chronic pain
- Chemo-induced N/V
- MS related spasticity



Moderate evidence

- Sleep, short term





Limited evidence


- HIV/AIDS wasting
- Tourette's syndrome
- Anxiety, social
- HIV neuropathic pain
- Chronic neuropathic pain

Potential Harms




Conclusive evidence

- Chronic bronchitis, respiratory sx 
- Motor vehicle crash 
- Low birth weight
- Assoc. w/schizophrenia, other psychosis

Moderate evidence

- "Problem cannabis use" if depressed 
- No inc risk lung, or head & neck cancer

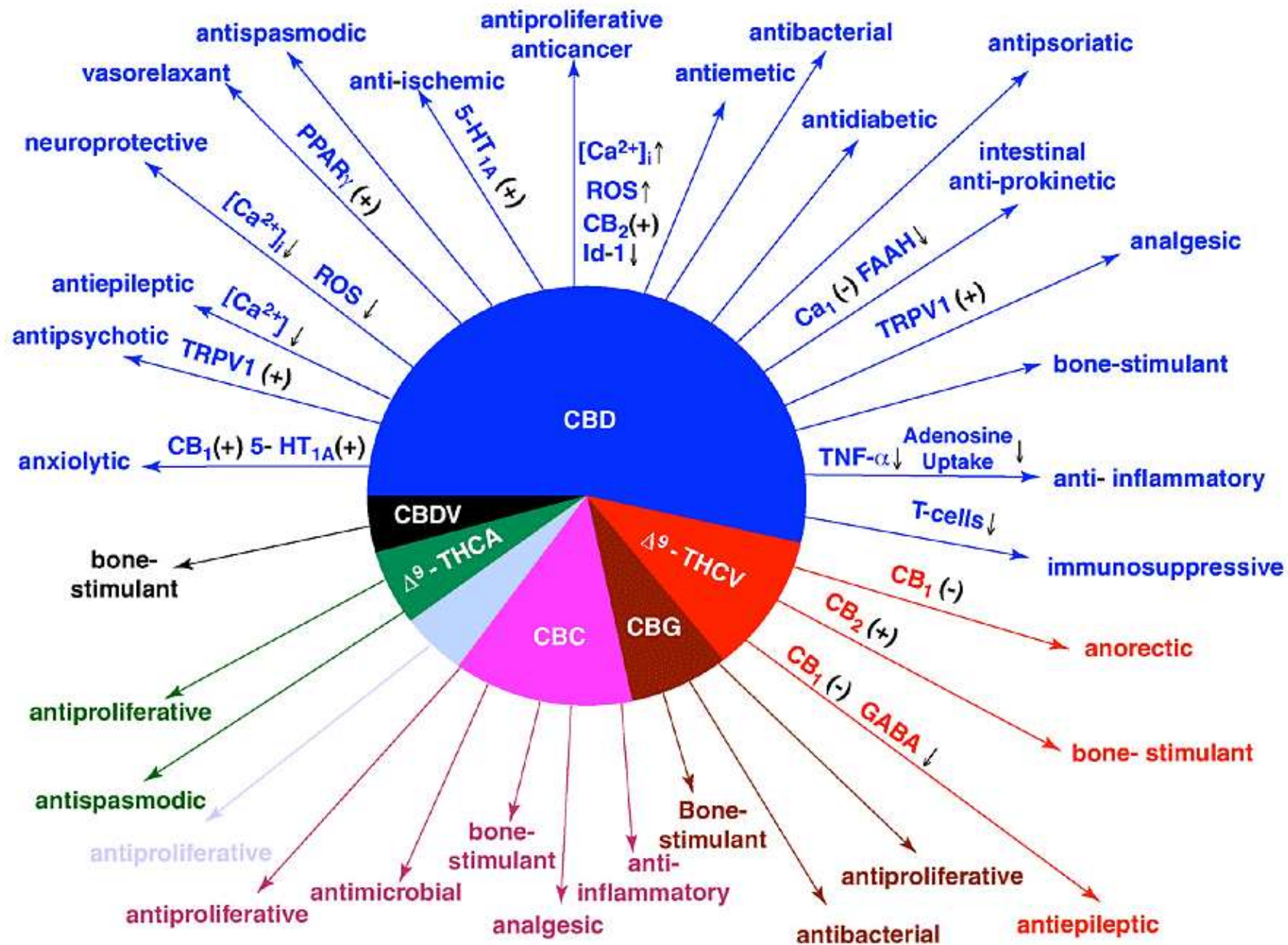
Limited evidence

- Inc. ischemic CVA 
- Inc. MI 
- COPD risk 

Sources: The Health Effects of Cannabis and Cannabinoids: The Current State of Evidence and Recommendations for Research. NASEM 2017; Medical uses of cannabinoids.

! BioMed Group R&D 2022/18

Pharmacologic actions of non-psychoactive Cannabinoids



PICOIV –

a new milestone in cannabis research and medical use

Many cannabis scientists (Medical Doctors, Biologists, Biochemists, Cultivation specialists etc.) have long had the dream of overcoming the barrier of bioavailability when used orally and finding a solution that can be transferred directly into the but - i.e. a so-called iv -Solution. Now we have overcome this big hurdle, as such an IV solution has recently been available to us. It is:

PICOIV

The few practical applications and results are very impressive.

PICOIV - a therapy revolution for medical cannabis

The Science

What is "Pico"

A "picometer" is a unit of length in the metric system, equal to one trillionth of a meter. Basically, it's so small, it's on the subatomic level. By pioneering new technology, we were able to make the CBD particle 1000x smaller than nanoemulsions, making our new pico emulsions ideal for IVs.

Why is this important?

The size of the particle containing CBD molecules is crucial in creating the Pico IV vials. Our pico emulsion allows CBD particles to pass through the sterile filtration process which eliminates any contaminants for a completely sterile product.



It is important to identify what CBD is. CBD, also known as cannabidiol, is one of the many phytocannabinoids. The parent precursor to CBD is CBDA (cannabidiolic acid). Other phytocannabinoids include:

- THC (Delta-9-THC and Delta-8-THC)
- THCA
- THCV
- THCP
- CBDA (Cannabidiolic acid)
- CBDV (Cannabidivarin)
- CBN (Cannabinol)
- CBG (Cannabigerol)
- CBC (Cannabichromen)



- Anti-cancer
- Analgesic (pain relief)
- Anti-nausea
- Anti-emetic (vomiting)
- Anxiolytic
- Anti-depressant
- Anti-psychotic
- Anti-convulsant
- Anti-asthmatic
- Immunomodulatory
- Antioxidant
- Anti-inflammatory
- Anti-bacterial
- Neuroprotective
- Improves BBB integrity/permeability
- Post-TBI decreased cerebral edema

About PICOIV as the new generation of medical cannabis use

Intravenous therapy offers an easy way to deliver nutrients and fluid directly into the bloodstream. Some of the most popular IV therapy treatments target skin problems, hangover remedies, and general health and wellness. PICOIV offers the opportunity to complement these treatments with the unique and diverse benefits of CBD.

CBD, or cannabidiol, is one of the many non-psychoactive components naturally derived from the hemp plant. It interacts naturally with the body to support overall health and well-being. It can also help reduce occasional feelings of stress or anxiety, support a healthy sleep cycle, and potentially ease aches or pains due to overexertion.* Pico IV uses the CBD isolate with zero THC from industrial-grown hemp in the USA.

The desire for an intravenous CBD solution has existed for many years because other methods of CBD use, such as topical or sublingual ingestion, do not provide the same systemic absorption as an intravenous solution. However, since the CBD molecule is too large to go through a complete sterile filtration process, it must be mechanically reduced in size to enable cold sterile filtration. While recent technological developments have led to water-soluble CBD and more recently nano-emulsions, the Apex Labs CBD team developed a technology that reduced the molecule size even further to pico size, allowing for a sterile filtration process and maximum system absorptions.

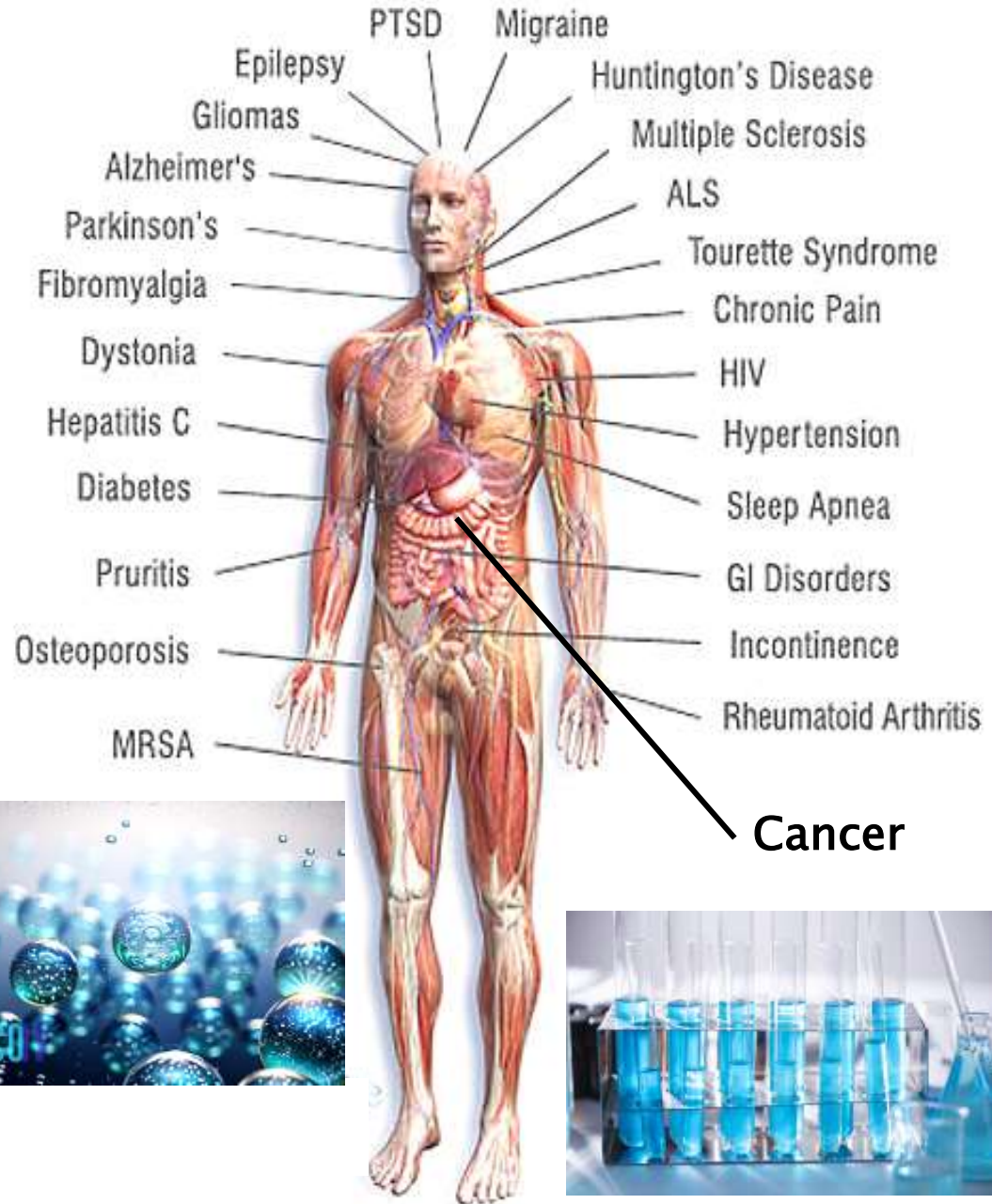
PICOIV is currently only available to a few clinics worldwide. The BioMed Group is the first clinic group in Southeast Asia that can rely on this revolutionary form of therapy. We are excited to bring this product to the medical market. Not only is it the merger of two truly significant markets in the medical and wellness industries, but it also shows how much potential there is in combining the power of science with one of nature's greatest gifts. With this PICOIV, we are proud to offer people a new way to give CBD to eliminate their physical and psychological problems.

Potential Therapeutic Uses of PICOIV

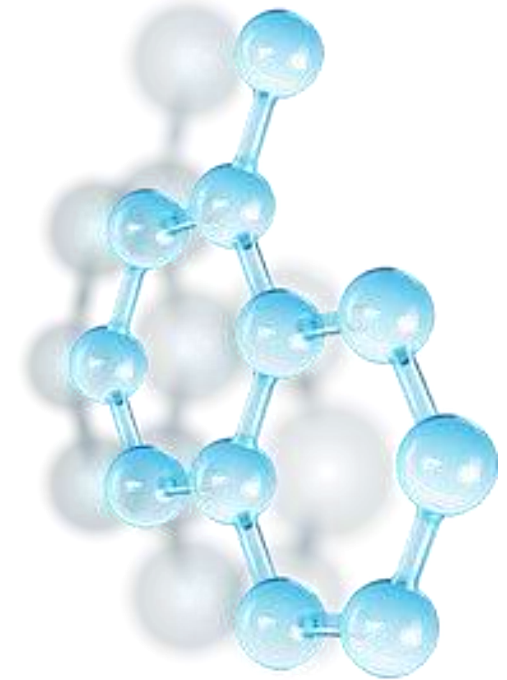
Because whatever we're using medical cannabis to treat is not an isolated condition, we discuss lifestyle modifications that can complement the therapeutic effects of medical marijuana. This may include recommendations for exercise, stress management techniques, dietary adjustments, and other self-care practices that can enhance the overall well-being of the patient.

Conditions helped by medical cannabis include:

- Cancer Support
- HIV Infection or AIDS
- ALS (Amyotrophic Lateral Sclerosis)
- Parkinson's Disease
- Multiple Sclerosis
- Spinal Cord Injury with Spasticity
- Epilepsy
- Inflammatory Bowel Disease
- Neuropathy
- Huntington's Disease
- Post-Traumatic Stress Disorder
- Chronic Pain
- Opioid Use and Substance Abuse Disorder




The world's first and only
Sterile CBD IV



Contact Information



BioMed Group South East Asia

Head Quarter Bangkok

Address: BioMed, 888 Polaris Tower

Sukhumvit Soi 20, Bangkok 10110

- WhatsApp: +66-870954492 (Dr. Michael for English, German)
- WhatsApp: +66-823487068 (Ms. Kwan for English, Thai)
- WhatsApp: +66-805217374 (Mr. Bas for English, Dutch)
- WhatsApp: +66 810231541 (Mr. Peter for English)