

Altus Biolabs test services

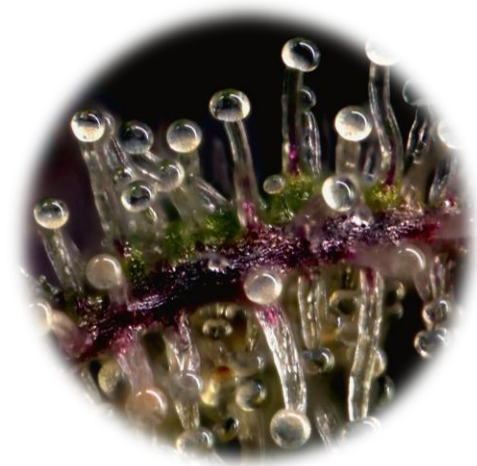
Cannabinoid- Analyses

requires 3g /2mL sample

Analysis of 14 Cannabinoids:

- $\Delta 9$ -THC
- $\Delta 8$ - THC
- THC-A
- CBD
- CBD-A
- CBG
- CBG-A
- CBN
- CBC
- THCV
- CBDV
- CBDV-A
- 9R-HHC
- 9S-HHC

Our analyses certify the quality and legality of your cannabis product, whether they are flowers, hash, oils, gummies or cookies.



Cannabis pathogen analyses



Testing for the following pathogens:

- Hop latent viroid
- Cannabis cryptic virus
- Lettuce chlorosis virus
- Alfalfa mosaic virus
- Fusarium

Viruses endanger your yield and the entire grow operation. Check the health status of your plants before growing them in the facility.

Cannabis DNA- gender test

Save time, money and space in the grow facility by testing the sex of your plants early on and sorting out male plants.



Tissue culture & synthetic seeds

Price on request



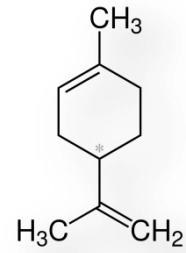
Free your valuable genetics of all parasites and pathogens, or keep them fresh and rejuvenated for the long term as synthetic seeds in our laboratory

Terpene profile

lead time: 7 days
requires 3g/3mL sample

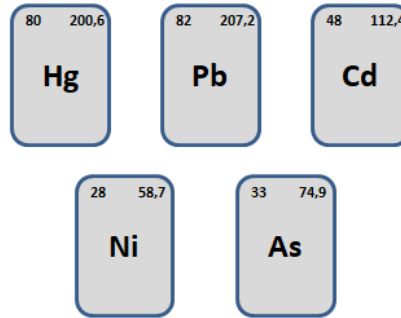
Requires 2g sample material. Testing for up to 72 terpenes such as:

- Limonen
- Eucalyptol
- Myrcen
- Linalool
- Pinene



Heavy Metals

lead time: 14 days
requires 10g/10mL sample



The most important heavy metals to accumulate in cannabis are:

- Cadmium
- Lead
- Arsenic
- Mercury
- Nickel

Pesticides

lead time: 14 days
requires 10g/10mL sample

Analysis is performed with the highly sensitive mass spectrometry method (GC-MS & LC-MS). Includes 580 pesticides regulated by European directive (EC) 396/2005.



Mykotoxins

lead time: 14 days
requires 10g/10mL sample



Mycotoxins are poisons that are produced by mold which can be found on agricultural products. Includes Aflatoxins B1,B2,G1,G2.

Microbial count

lead time: 14 days
requires 10g/10mL sample

One of the most important criteria for determining the quality of a product is its microbiological properties. We offer the detection of **mold** and **bacteria** according to the highest analytical standards.



Tissue culture & synthetic seeds

Clean your valuable genetics from all parasites and pathogens, or preserve them fresh and rejuvenated as synthetic seeds for long-term storage in our laboratory.

Gene-Banking Synthetic Seeds:

The genetics are stored as **synthetic seeds**, ensuring they remain constantly available to the customer with a lead time of **1.5 – 2 months**. Their valuable genetic properties are permanently preserved. Before seed production, a **Nodal Induction** is performed to maintain plant health.



Starting material: 5–7 rooted clones from the mother plant

Output: Rooted clones available on demand

Meristem Culture:

Cleans plants of even the most persistent pathogens, including **Hop Latent Viroid (HpLVd)**. Offers the best **rejuvenation for mother plants**.

Starting material: ~ 30 shoot tips

Time until the first clones are available: 5–7 months

Output: 10 healthy, certified virus-free, rooted clones (can be increased on request, +€20 per additional clone)

Tissue Culture Mother Plants

Selected and cultivated from **meristem culture**, with **certified cannabinoid and terpene profiles**.

All **tissue culture services** include **pathogen testing** of the starting material.

Prices apply per genetic line, plus VAT. **Better pricing is available for multiple strains/plants.**