



Lab Analysis

GC or HPLC

VS

Sage Analytics Analysis

BEACON



A courier carries a sample to the lab in a locked ice chest.

At the lab, the sample is photographed, assigned an ID number and logged into a database, ensuring "chain of custody" to prevent errors.

The sample is ground into a powder.

The sample is incubated in a toxic solvent to extract the cannabinoids.

Analysis by a \$150,000 (new) gas or liquid chromatography machine to assess an assortment of cannabinoids by weight percentage.

Highly trained technician with advanced degree required to run the machine

All samples are discarded. Hazmat waste removal is required.

Client receives a certificate of analysis and bar code, which can be put on each product and sold.

Total time from start to finish: 2-3 days

Total Cost: \$100 per test

Tests per day: 24 in an 8 hour period

1

The tester or quality control agent pulls a small sample from the bag.

2

Entire testing is done by a single person within a 10 second time frame, so no ID numbers, data entry or need to worry about "chain of custody".

3

The dried bud is ground into a homogeneous substance or the extract is placed directly in the sample cell.

4

No solvents or harmful chemicals needed - simply uses light.

5

Analysis by a \$23,900 (new) Luminary Beacon that can determine Total THC, THCA, Total CBD, and CBDA using optical spectroscopy.

6

Can be run by **anyone** with minimal training.

7

Samples are not discarded and remain completely intact allowing it to be reused for another purpose (i.e. taste testing, turned into a pre-roll or edible)

8

A CannaMetric Profile label immediately prints out showing the potency measurement results and can be applied directly to product container.

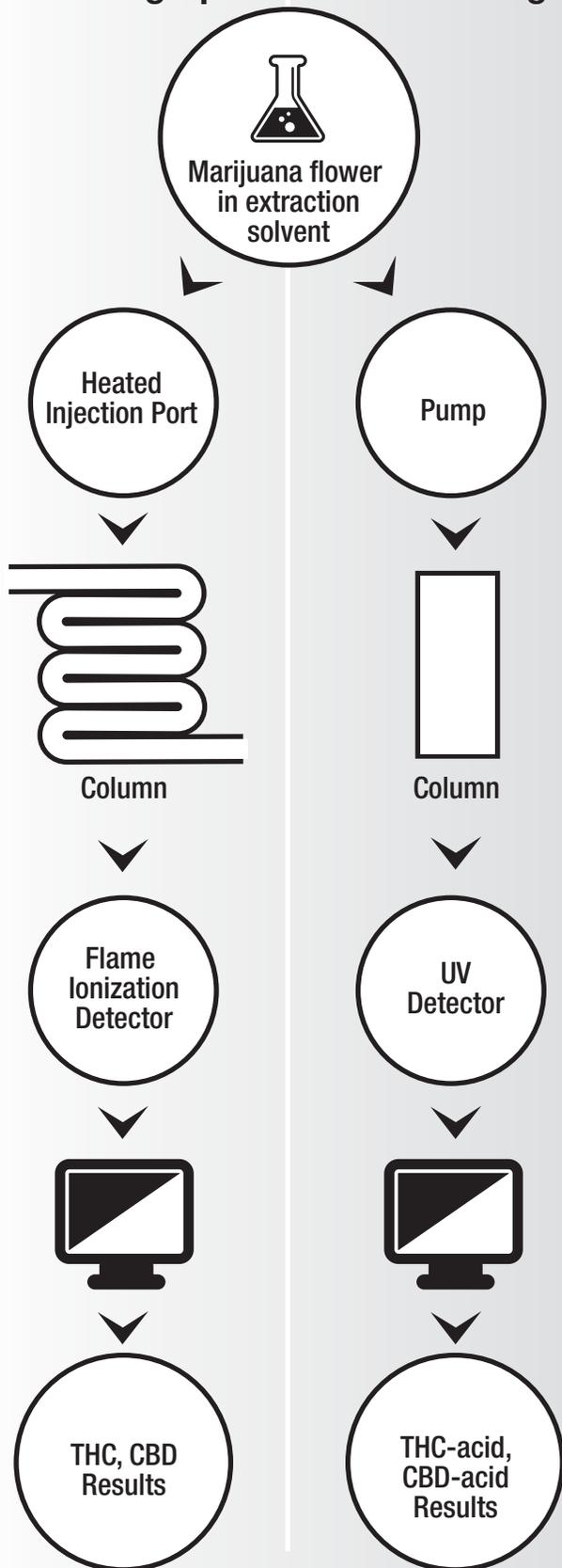
Total time from start to finish: 20 seconds

Total Cost: Pennies per test

Tests per day: 200 in an 8 hour period

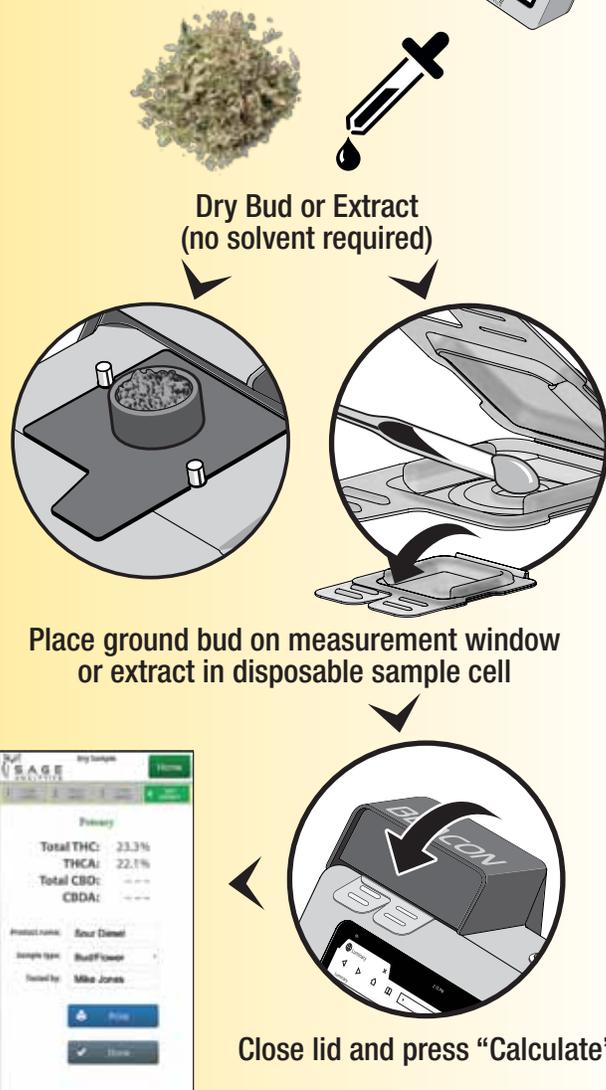
GAS Chromatograph

LIQUID Chromatograph



TOTAL TESTING TIME = 20 MINUTES

BEACON



View results and print out "Cannametric Profile Label"

CANNAMETRIC™ PROFILE	
Product Name:	Sour Diesel
Tested by:	Mike Jones
Test Date:	3/28/16
Total THC:	23.3%
THCA:	22.1%
Total CBD:	---
CBDA:	---

Total THC, THC-acid, Total CBD, CBD-acid Results

TOTAL TESTING TIME = 20 SECONDS