Cannabis & Hemp Potency Testing ROI Calculator

Agilent
Trusted Answers

This calculator will help you estimate the running costs for analyzing cannabinoids using HPLC. As a cannabis testing laboratory, you can also estimate the potential revenue generated running HPLC methods for cannabinoids.
As a manufacturer, you can estimate savings that can be recognized by testing products internally, using your own HPLC.

Step 1. Choose the cannabinoids you want to analyze per the Agilent potency method.
Step 2. Choose the number of cannabis samples you project to analyze per week.
Step 3. Type in the price per sample and press enter.

Select Cannabinoids in Method

- [x] CBDV
- [x] CBN
- [x] THCV
- [x] THC
- [x] CBD
- [x] (-)-Δ8-THC
- [x] CBG
- [x] CBC
- [x] CBDA
- [x] THCA
- [x] CBGA

Method Facts and Costs

Injection to injection time	**11.00**	min
Billable samples per week	**25**	pcs
Cost per sample	**10.30**	USD

Profit Figures

Price per sample	**200.00**	USD
Revenue per week	**5,000.00**	USD
Weekly instument usage cost[1]	**257.54**	USD
Income potential per week	**4,742.46**	USD

Cost per Sample

Mobile phase (solvents/reagents)	**1.29**	USD	Reagent: standard curve prep	**0.13**[2] USD / **0.65**[3] USD
Stationary phase (column)	**0.39**	USD	Aliquot for standards	**2.63**[2] USD / **13.17**[3] USD
Sample preparation supplies	**3.91**	USD		
Sample preparation reagents	**1.95**	USD	**Cost per sample**	**10.30**[2] USD / **21.36**[3] USD

Questions? Contact us at cannabis.inquiries@agilent.com
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[1] *Does not include staff and overhead costs*
[2] *Preparing one standard curve per five-day week*
[3] *Preparing fresh curve daily*