

## **eSENSE-LAB INCREASES YIELD AND DETECTION CAPABILITIES**

- *Break-through in advanced extraction methods yields >30% higher terpene counts over current methodologies*
- *Advancement in detection methods achieving 10-100 multiples higher resolution in detection and quantification of terpenes*

Life sciences company **eSense-Lab Ltd** ("**eSense**" or the "**Company**"), (ASX: ESE), is pleased to update its shareholders on the advancement of eSense's technology and proprietary techniques.

eSense's proprietary plant profiling technology is used to generate comprehensive models ("profiles") of targeted plants. The profiles are then used to "**reverse engineer**" and reconstruct the terpene profile of that plant, using alternate natural sources, in a more cost effective and sustainable way.

eSense's research and development team has succeeded in further developing its extraction methods, which is now shown to yield greater than 30% higher terpene counts when compared to the commercially available methods being used currently by service laboratories and potential future competitors.

Terpenes are naturally occurring compounds (classified as phytochemicals) which account for the flavour and fragrance of plants, as well as many health benefits.

This technological advancement is now commercially applicable and can be utilised across eSense's current profile portfolio, its profiles in final development, and as well as for future target plants.

The Company is further pleased to report on the advancement of its terpene detection techniques, now capable of achieving 10-100 multiples higher resolution in terpene detection and quantification. Importantly, this allows for the identification of 'minor' low concentration terpenes within the plants, allowing the Company to produce more 'complete' target plant profiles than any other methodologies currently available.

**Commenting on the new development, eSense-Lab's CTO Dr Yaron Penn, said:** *"These technological advancements position eSense well ahead of the current capabilities of existing service laboratories and potential entrants in this space. This advancement is the result of many years of research and development by our specialist scientific team and further strengthens our already robust intellectual property and proprietary 'know how' in the global market".*

**Commenting on the new development, CEO Haim Cohen, said:**

*"This gives our Company a key competitive advantage. I am very proud of the rapid progress from our team and we look forward to being able to update our new shareholders on further technological and commercial developments".*

**Ends**



## About eSense - Lab

eSense-Lab (ASX: ESE) is a life sciences company specialising in the commercialisation of the phytochemical profiling of plants. The Company combines genetics, mRNA, protein expression and phytochemical profiles to generate a comprehensive model of rare or high value plants. eSense-Lab can then use this model to 'reverse engineer' a terpene profile, which is a naturally occurring formulation of different individual terpenes which together, exactly replicate the flavour, fragrance and other desired characteristics of the targeted plant, at a more sustainable and cheaper cost.

To learn more about eSense-Lab, visit [www.eSense-Lab.com](http://www.eSense-Lab.com)

## Investor Relations

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