

62 – HISTOCHEMISTRY OF ALKALOID CONTENT IN EX VITRO AND IN VITRO LEAVES OF *Psychotria Viridis*

AUTORES - Camila Moreno Lopes de Andrade¹; Maurício Yonamine²; Jaime Eduardo Cecilio Hallak³; José Alexandre De Souza Crippa³; Fernando Henrique Ferrari⁴; Vanessa Cristina Stein¹

INSTITUIÇÃO - ¹Universidade Federal de Lavras, ²Universidade de São Paulo, ³Universidade de São Paulo (Faculdade de Medicina de Ribeirão Preto), ⁴Universidade Federal de Lavras (Campus São Sebastião do Paraíso).

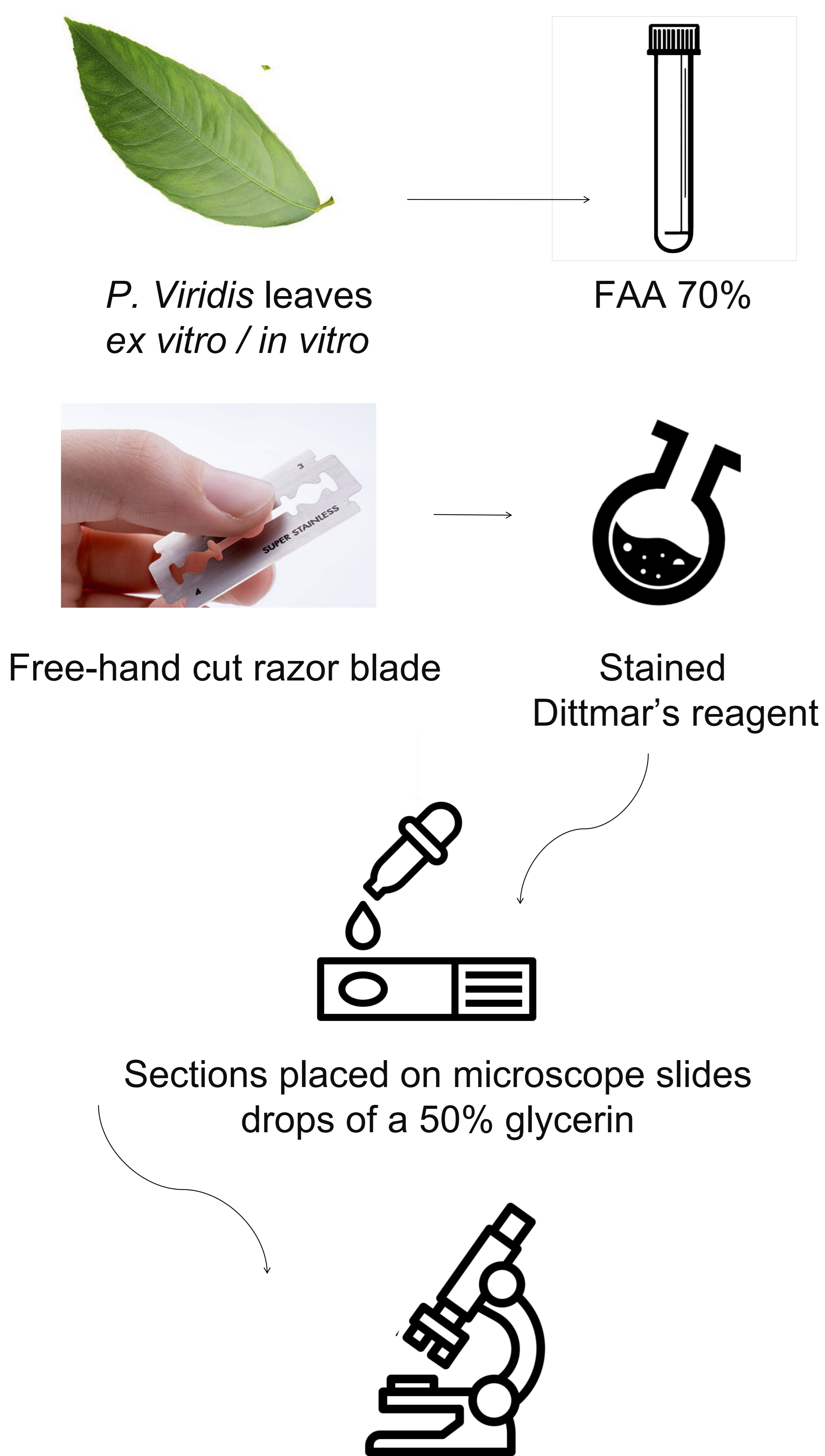
INTRODUÇÃO

Psychotria viridis (Rubiaceae)

- Amazon native species
- Sparse distribution throughout Central America.
- It is widespread in Peru and occurs in Cuba, Colombia, Venezuela, Ecuador, Brazil, and Bolivia.
- Its leaves are commonly used in the preparation of the ritualistic drink ayahuasca, combined with the species *Banisteriopsis caapi* (Malpighiaceae).
- Currently, there are no reports regarding *in vitro* culture of *P. viridis*.

This study compared leaf samples from *ex vitro* and *in vitro* plants of *P. viridis*.

METODOLOGIA



The sections were examined and photographed using an optical microscope attached to a digital camera.

RESULTADOS E CONCLUSÕES

The qualitative analyses showed that *in vitro* plantlet leaves may contain higher amounts of alkaloids (**Fig.1A,B,C,D**).

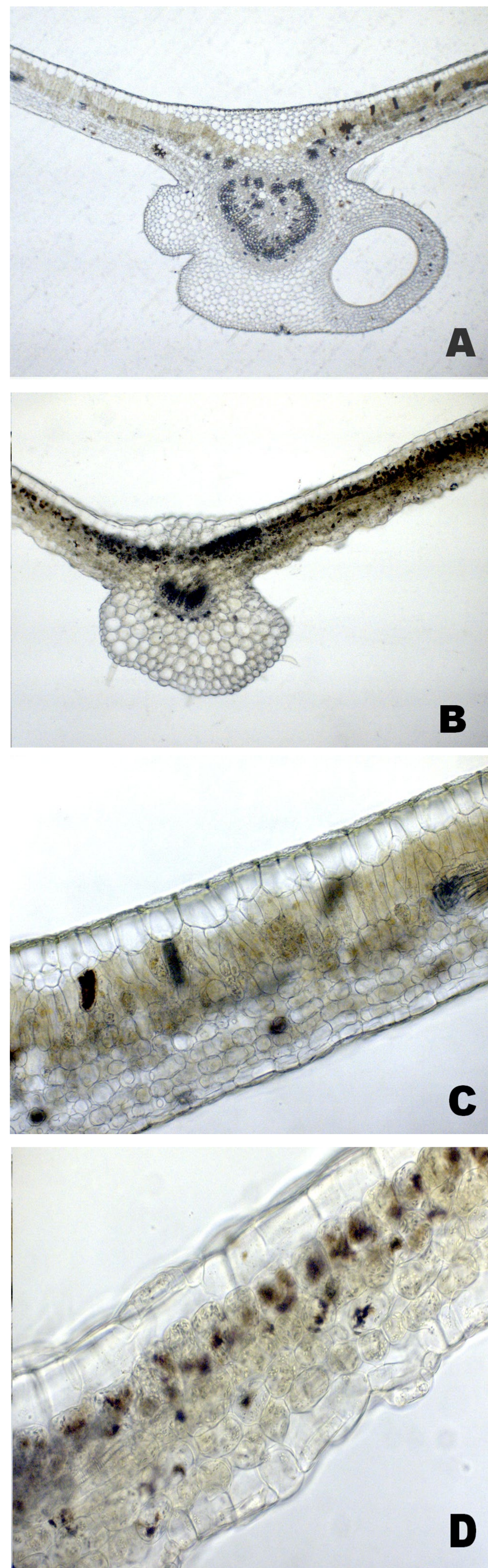


Figure 7. Dittmar's reagent detection of alkaloids performed on *ex vitro* leaf section (**a, c**) and on *in vitro* leaf section (**b, d**).

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