

## Effect of enzymes on isolation of protoplast of *Catharanthus roseus*

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## **SUMMARY**

In present investigation the protoplast was isolated from surface sterilized 3-4 weeks grown fully expanded leaves of Catharanthus *roseus*. Different enzymes were successfully used for protoplast isolation. The effect of pH, temperature and incubation period found out for the release of protoplast. The viability of protoplast was checked by haemocytometer which was increased by culturing in white media in suspension culture with proper combination of auxin and cytokinins.

Key Words : Protoplast, Osmoticum treatment, Macerozyme, Purification, Plating, Viability

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