

## Improved process for the production of Cyclosporin A using the fungus *Tolypocladium sp*

### Salient features of the technology

- Cyclosporine A acts as an immunosuppressive agent to counteract against organ rejection during transplantation and Graft-versus-Host diseases.
- The technology is a process for the preparation of Cyclosporine A from the fungus *Tolypocladium sp*.
- The method will increase Cyclosporine A production by 34.7 % and purity of obtained Cyclosporine A will also be higher.
- It is a simple process for Cyclosporine A production and uses easily available materials.
- The process is also cost effective and efficient.
- The technology has been developed up to laboratory scale.
- It is developed by an ICMR institute, the Vector Control Research Centre (VCRC) located at Puducherry.
- Patents have been filed in India along with USA and Canada through PCT.

Fig. Improved process for the production of Cyclosporin A



Colony of *Tolypocladium sp.*



Laboratory scale production



Purified cyclosporine