

Plant's extracts as replacement of fetal calf serum/ Blood/ Blood products free media for propagation of Leishmania parasites

Salient features of the technology:

- It is related to the use of non-hydrolysed plant's extract as substitute of FCS/serum/blood/ blood products to cater obligatory growth factor (s) in basal medium.
- Through this convenient and novel approach, increasing demand of promastigotes production can be fulfilled at extremely low cost without fear of transmitting pathogens i.e. viruses, prions and mycoplasma of animal origin.
- Medium is user friendly, regulatory friendly and eco friendly.
- This novel method has been developed up to laboratory scale.
- Plant extract has been sent for 3rd party evaluation at AIIMS Delhi & IICB Kolkata.
- An Indian patent application has been filed.
- The technology has been developed by RMRIMS, Patna (an ICMR institute).