# Regional Medical Research Centre (RMRC), Dibrugarh, Assam

## ELISA Technique for Sero-diagnostic for human paragonimiasis

**Process/Process**: Sero-diagnosis of human paragonimiasis.

**Application/Uses**: This diagnostic process is especially used in cases of overlapping clinical manifestations and as similarities between X-ray pictures in pulmonary paragonimiasis and pulmonary tuberculosis create diagnostic confusion, in areas where both diseases co-exist.

**Salient Technical Features**: No commercial kit is available for sero-diagnosis of human paragonimiasis. This is the first indigenously developed ELISA based technique with 100% sensitivity, specificity, efficiency, positive and negative predictive value for screening human population for paragonimiasis in India. It is the first indigenously developed excretory-secretory (ES) antigen based IgG ELISA system that can be effectively used for screening large populations for human paragonimiasis in India.

**Scale of Development**: Technology is developed up to laboratory scale.

**Status of Commercialization**: Technology commercialization is being explored.

## A herbal anti-plasmodial agent

**Product/Process:** It is used for the treatment of Malaria.

**Application / Uses:** An antiplasmodial / antimalarial agent obtained from the roots of the plant *Brucea mollis Wall. Ex kurz.*

**Salient Technical Features:**

- It is a highly active extract from the roots of the plant *Brucea mollis Wall. Ex kurz.*
- It has antiplasmodial / antimalarial activity.
- It is biodegradable, ecofriendly, economic and commercially viable.

**Scale of Development:** The technology has been developed up to laboratory scale.

**Status of Commercialization:** An Indian Patent (Application no. 31/DEL/2008) has been filed.