

Artemether 80 mg/1 ml injection

ACTIVE INGREDIENT: ARTEMETHER

PRESENTATION

Raymether 80mg/1ml ampoule. Clear glass ampoules containing Artemether 80mg in 1ml solution. Solution is pale yellow & sterile.

INDICATION

Raymether is indicated for the treatment of malaria caused by all forms of plasmodium including severe malaria caused by multiple drug strains of *P. falciparum*.

CONTRAINDICATION

Pregnancy, unless the doctor considers it essential as in the case of Cerebral malaria.

PRECAUTION

In Cerebral malaria and complicated malaria, general supporting therapy may be required.

SIDE EFFECTS

At the therapeutic dose (700mg) there are virtually no side effects. There are reports on laboratory abnormalities i.e, a decrease in reticulocytes count, an increase in transaminase and ECG changes (Sinus Bradycardia). However, these are transient. At high doses, transient abdominal pain, diarrhoea and tinnitus can occur.

PHARMACODYNAMICS

Artemether, and its derivatives act essentially as blood schizonticides. The presence of the endoperoxide bridge appears to be essential for anti malaria activity: generation of single oxygen and formation of free radicals, inhibition of protein synthesis as the basic mechanism suggested in studies which showed morphological changes in ribosomes as well as in the endoplasmic reticulum.

PHARMACOKINETICS

Artemether, when injected through I.M route is rapidly absorbed reaching C_{max} within 2-3 hours. It is metabolised in the liver to the demethylated derivative Dihydroartemisinin. The elimination is rapid, with a T_{1/2} of 4 hours.

CONSERVATION

Raymether Injection should be protected from light and stored at room temperature. If stored for long periods in the cold, precipitation may occur which may clear on storage at room temperature. If not, the contents of the ampoule should be discarded. Do not store below room temperature.

DOSAGE AND ADMINISTRATION

	Day 1	Day 2	Day 3	Day 4	Day 5
Adults	160mg (2 amps)	80mg (1 amp)	80mg (1 amp)	80mg (1 amp)	80mg (1 amp)
Children	3.2mg/kg body wt.	1.6mg/kg body wt.	1.6mg/kg body wt.	1.6mg/kg body wt.	1.6mg/kg body wt.

PACKING

Artemether 80mg/ 1ml

6 ampoules in plastic tray packed in monocarton

Mfd by:



Ray Life Sciences Pvt. Ltd

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