



TCK-39

KIT FOR THE PREPARATION OF ^{99m}Tc -MEBROFENIN

(DIAGNOSTIC- FOR INTRAVENOUS USE)

The kit for the preparation of ^{99m}Tc -Mebrofenin (3-bromo - 2,4,6 - trimethyl acetanilido iminodiacetic acid) is a single component kit. On reconstituting the kit as per specified recipe, ^{99m}Tc -Mebrofenin solution formed is sterile, pyrogen free and suitable for i.v. administration.

^{99m}Tc - Mebrofenin exhibits rapid clearance from blood, rapid transit through hepatocytes, minimum renal excretion and effective competition with bilirubin compared to other IDA derivatives.

☐ ^{99m}Tc - Mebrofenin is used as hepatobiliary function imaging agent for

- Assessment of hepatobiliary patency.
- Evaluation of intra as well as extra hepatic biliary obstruction.
- Diagnosis of acute cholecystitis.
- Diagnosis of biliary atresia in children with neonatal jaundice.
- In conjunction with CCK (cholecystokinin) the contractibility of gall bladder is estimated quantitatively (Gall bladder ejection fraction).

DESCRIPTION OF THE KIT

Kit consists of a single vial.

Each vial contains 25 mg of mebrofenin and 0.2 mg of stannous chloride dihydrate in freeze-dried form.



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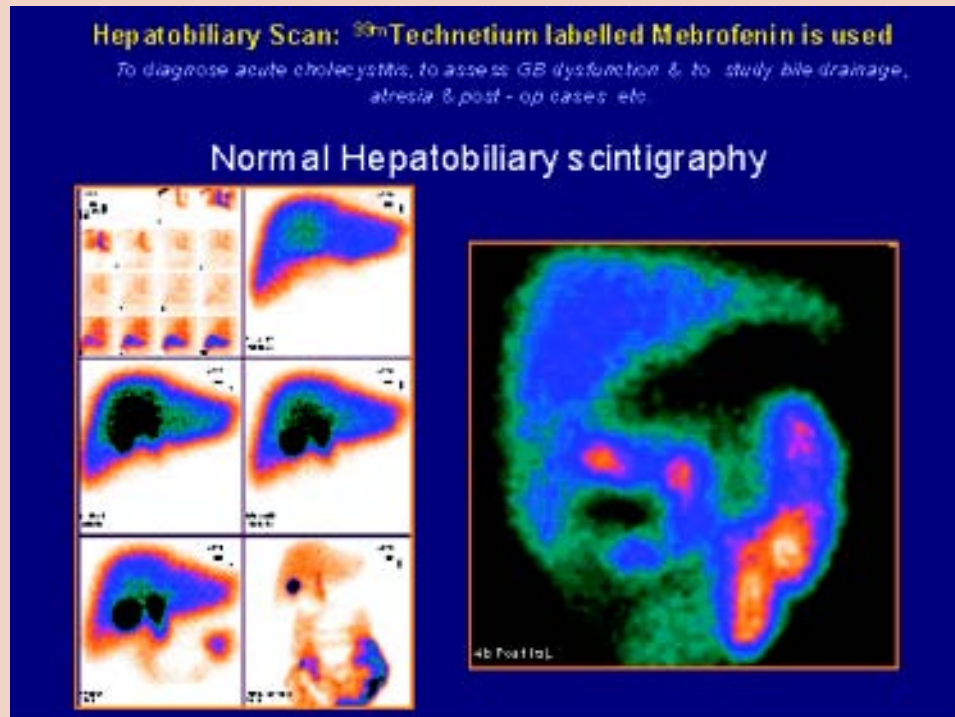
^{99m}Tc-Mebrofenin Formulation*

1. Allow the kit vial to attain ambient temperature.
2. Add 2-3ml of sterile sodium pertechnetate (Na^{99m}TcO₄) in 0.9% sodium chloride solution containing the required activity of ^{99m}Tc and mix well.
3. Keep the vial in boiling water bath for 5 min.
4. Remove the vial from the water bath and allow it to cool for 10 min.
5. The preparation is now ready for use.

*(*For actual formulation, follow Product Recipe)*

DOSAGE AND ADMINISTRATION

The suggested dose range per patient (fasted for 4 to 6 hours prior to administration of the agent) for i.v. administration of ^{99m}Tc-Mebrofenin is 3-5 mCi (111 - 185 MBq). Higher dose may be needed for patients with elevated bilirubin levels.



For placing the orders and further details please contact
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