



TCK 30

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

(DIAGNOSTIC- FOR INTRAVENOUS USE)

The kit for ^{99m}Tc -MDP (Methylene Diphosphonate) is a single component kit. On reconstituting the kit, as per specified recipe, ^{99m}Tc -MDP solution formed is sterile, pyrogen free and suitable for i.v. administration.

^{99m}Tc -MDP (Methylene Diphosphonate) is a skeletal (bone) imaging agent which incorporates into the bony skeleton, 50-60%. The advantages of this kit are its rapid distribution into extra vascular space; the high rate of incorporation in the bony skeleton and low retention in soft tissues.

☐ ^{99m}Tc -MDP is used as a skeletal imaging agent

- To demonstrate early involvement of bone metastases from primary malignancies in prostate, lung, breast etc.
- In staging primary malignancy.
- For detection and evaluation of infective bone diseases like osteomyelitis.
- For detection and evaluation of avascular necrosis.
- For diagnosis of metabolic diseases of skeletal system.
- For localisation of Paget's disease.

DESCRIPTION OF THE KIT

Each kit consists of a single vial.

Each vial contains 10 mg of methylene diphosphonic acid, 0.6 mg of stannous chloride dihydrate, 0.5 mg gentisic acid and 5 mg of NaCl in freeze-dried form.



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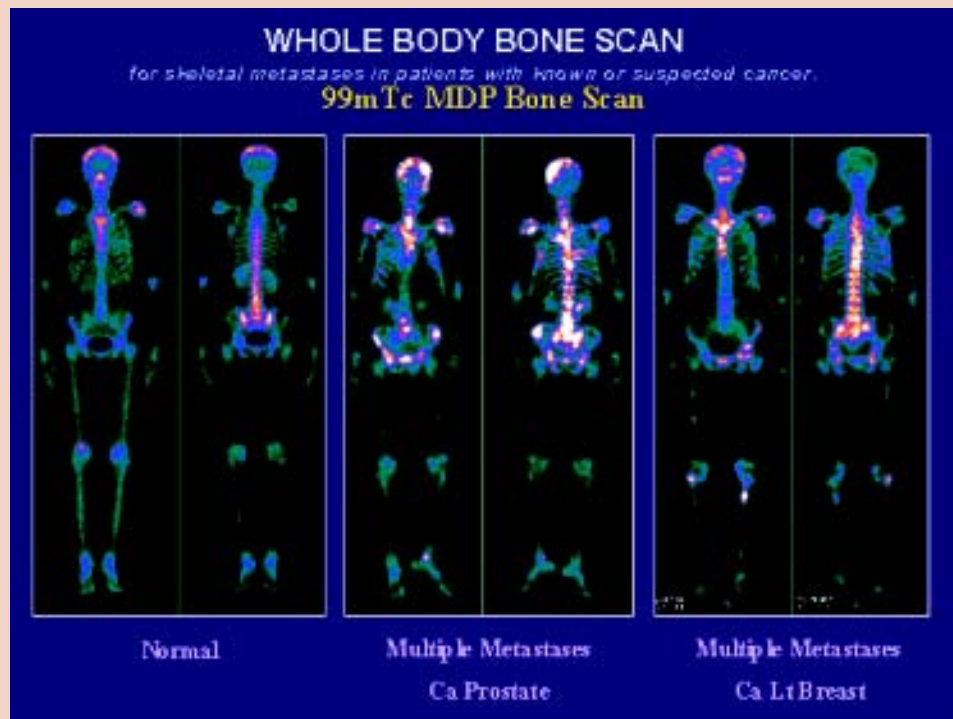
^{99m}Tc-MDP Formulation *

1. Allow the kit vials to attain ambient temperature.
2. Add 1-3 ml of sterile sodium pertechnetate ($\text{Na}^{99\text{m}}\text{TcO}_4$) in 0.9% sodium chloride solution containing required activity and mix well.
3. Allow it to stand for 10 min.
4. The preparation is now ready for use.

(*For actual formulation, follow Product Recipe)

DOSAGE AND ADMINISTRATION

The suggested dose range per patient for i.v. administration of ^{99m}Tc-MDP is 15 -20 mCi (555 MBq to 740 MBq) for skeletal imaging.



For placing the orders and further details please contact
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