



TCK 35

KIT FOR THE PREPARATION OF $^{99m}\text{Tc}(\text{V})\text{-DMSA}$ (DIAGNOSTIC- FOR INTRAVENOUS USE)

The kit for ^{99m}Tc -DMSA (Dimercapto Succinic Acid) is a two component kit. On reconstituting the kit, as per specified recipe, $^{99m}\text{Tc}(\text{V})\text{-DMSA}$ solution formed is sterile, pyrogen free and suitable for i.v. administration .

When ^{99m}Tc is complexed with DMSA at pH ~ 8, $^{99m}\text{Tc}(\text{V}) - \text{DMSA}$ is formed.

$^{99m}\text{Tc}(\text{V})\text{-DMSA}$ is used

- As a tumor imaging agent, primarily in cases of medullary carcinoma of thyroid.
- In patients having solitary nodule in thyroid with high serum calcium and calcitonin levels – $^{99m}\text{Tc}(\text{V})\text{-DMSA}$ shows avid concentration in the nodule. In contrast, the conventional pertechnetate scan shows the nodule to be non-functional.
- Post surgery, to delineate metastases in lymph nodes in medullary carcinoma of thyroid.

DESCRIPTION OF THE KIT

Each Kit consists of two components (vials),

Component - A : 1 mg of dimercapto succinic acid and 0.3 mg of stannous chloride dihydrate in freeze - dried form.

Component - B : 35 mg of NaHCO_3 in freeze - dried form.



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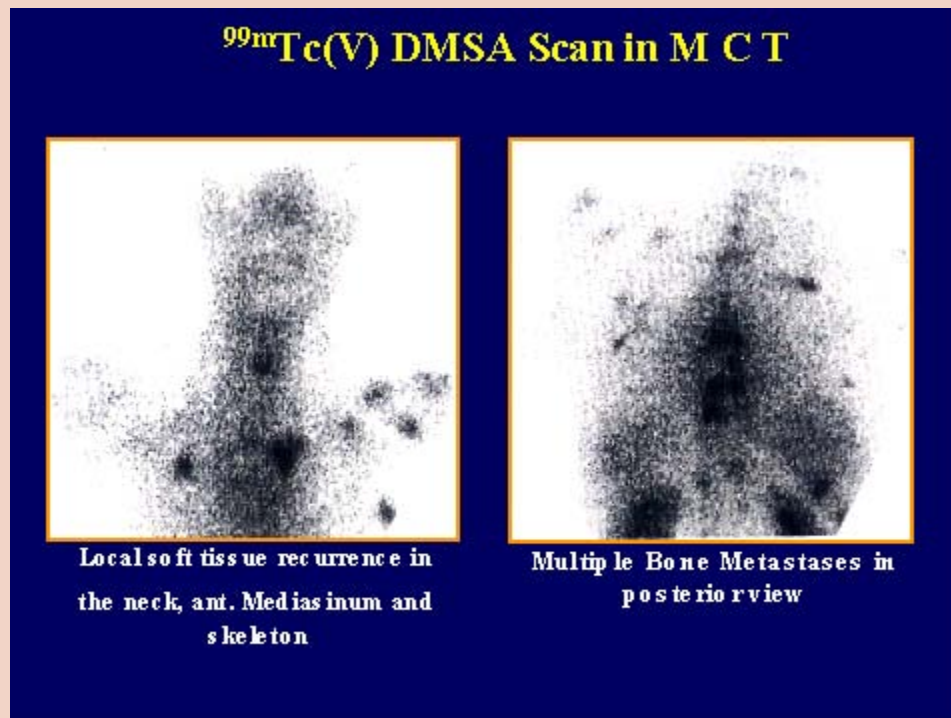
^{99m}Tc(V) - DMSA Formulation*

1. Allow the Component-A vial to attain ambient temperature (Reaction vial).
2. Withdraw the required activity of sodium pertechnetate ($\text{Na}^{99\text{m}}\text{TcO}_4$) injection in 1-2ml volume into a sterile syringe and keep ready for transfer.
3. Add 1ml of Water For Injection to Component-B vial and mix well. Aseptically transfer 0.2ml of the contents to Component-A vial (Reaction vial).
4. Immediately thereafter, add sodium pertechnetate ($\text{Na}^{99\text{m}}\text{TcO}_4$) injection kept ready earlier in the step 2 to Component-A vial and mix well.
5. Allow it to stand for 10 min.
6. The preparation is now ready for use.

(*For actual formulation, follow Product Recipe)

DOSAGE AND ADMINISTRATION

The suggested dose range per patient for ^{99m}Tc(V)-DMSA is 15-20mCi (555MBq to 740MBq).



For placing the orders and further details please contact
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