



TCK 16

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

(DIAGNOSTIC- FOR INTRAVENOUS USE)

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

^{99m}Tc- Phytate forms in- vivo colloid with calcium present in the blood. It is taken up by liver similar to ^{99m}Tc-Sulphur colloid. The advantage of ^{99m}Tc-Phytate is that it provides uniform sized colloid particles in a single step reaction from a lyophilized kit formulation.

- ❑ ^{99m}Tc-Phytate is used as liver imaging agent for
 - Delineation of space occupying lesions in liver.
 - Work up of patients in oncology: Assessment of metastases in liver – helpful in staging primary malignancy.
 - Differentiation of fatty infiltration in liver in conjunction with sonography.
- ❑ ^{99m}Tc-Phytate is also administered orally for estimation of esophageal transit and gastro esophageal reflux (quantitative).

DESCRIPTION OF THE KIT

Each kit consists of a single vial.

Each vial contains 10 mg of sodium phytate and 1 mg of stannous chloride dihydrate in freeze-dried form.



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^{99m}Tc-Phytate Formulation*

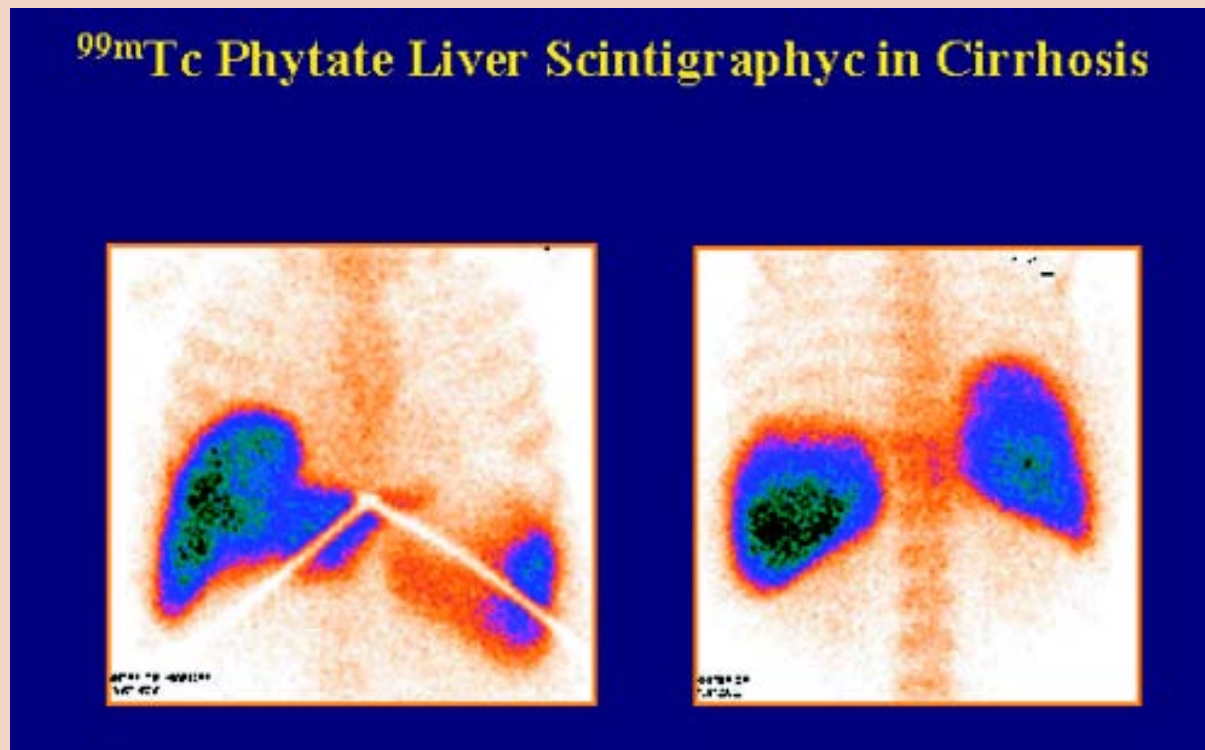
1. Allow the kit vial to attain ambient temperature.
2. Add 2-3ml of sterile sodium pertechnetate ($\text{Na}^{99\text{m}}\text{TcO}_4$) in 0.9% sodium chloride solution containing the required activity of $^{99\text{m}}\text{Tc}$ and mix well.
3. Allow it to stand for 5-10 min.
4. The preparation is now ready for use.

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

DOSAGE AND ADMINISTRATION

The suggested dose range per patient for i.v. administration of $^{99\text{m}}\text{Tc}$ - Phytate is about 3-4 mCi (111-148MBq).

* Since it forms colloid in-vivo with calcium (present in blood), it should be used with caution in patients having calcium deficiency or other such conditions.



For placing the orders and further details please contact
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