

IOBENGUANE I-123 INJECTION

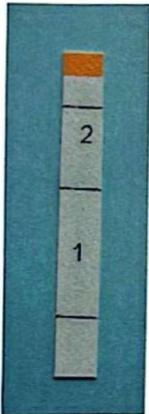
(I-123 mIBG, I-123 meta-IODOBENZYLGUANIDINE)

RADIOCHEMICAL IMPURITIES:

Free I-123 sodium iodide.

QUALITY CONTROL METHOD:

CHROMATOGRAPHY SYSTEM:



Silicic Acid (SA) chromatography strip (0.7 x 6 cm) with 0.9% Sodium Chloride. Orange color-coded chromatography strip. Unbound I-123 sodium iodide migrates with the solvent front ($R_f=1.0$) while I-123 Iobenguane migrates with an $R_f=0.25$. The cut line is located at $R_f=0.6$.

CHROMATOGRAPHY PROCEDURE:

Use Single-Strip Procedure (PROCEDURE 1A). Add 0.9% NaCl (0.8 to 1.5 ml) to serum or scintillation vial. Following radiopharmaceutical spotting, immediately place the orange strip in 0.9% NaCl and allow solvent to migrate to solvent front line. Remove strip, cut at cut line into sections 1 and 2 and count for activity. Calculations are performed as outlined in SINGLE STRIP PROCEDURE 1A.