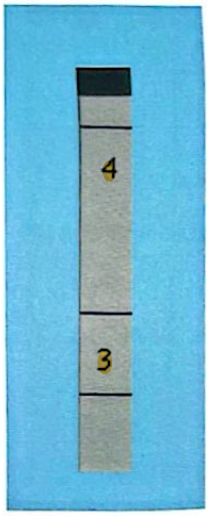
System 2



Silica gel (SG) impregnated chromatography strips (0.7 x 6 cm) with Distilled Water. Black color-coded chromatography strip. Free Tc-99m pertechnetate and Tc-99m DTPA migrate with the solvent front (Rf=1.0) whereas hydrolyzed reduced Tc-99m remains at the origin (Rf=0.0). The cut line is located at Rf=0.25.

CHROMATOGRAPHY PROCEDURE:

Use Two-Strip Procedure (PROCEDURE 2A) which is attached. Add acetone (0.8 to 1.0 ml) and distilled water (0.8 to 1.0 ml) to separate serum vials. Following radiopharmaceutical spotting, immediately place the red strip in acetone and the black strip in distilled water and allow solvent to migrate to solvent front line. Remove strips, cut at cut lines into sections 1, 2, 3 and 4 and count for activity. Calculations are performed as outlined in TWO-STRIP PROCEDURE 2A.