



# AULA VIRTUAL de RADIOFARMACIA

Plataforma Virtual de Formación Continua en Radiofarmacia

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## Lectura recomendada

### Analysis of Technetium-99m Radiopharmaceuticals by HPLC

Erika Vieira De Almeida, Margareth M N Matsuda

Radiopharmaceuticals labeled with  $^{99m}\text{Tc}$  represent the majority of procedures in Nuclear Medicine. Quality control of  $^{99m}\text{Tc}$  radiopharmaceuticals is making by Thin Layer Chromatography (TLC) there are years. However, TLC is not sensitive enough to detect and quantify any impurities in the radiopharmaceutical. High Performance Liquid Chromatography (HPLC) is a selective and sensitive technique which has become indispensable for the quality control of  $^{99m}\text{Tc}$  compounds. HPLC simultaneously detects and quantifies various impurities besides be used in analysis of raw material in the production of lyophilized reagents (LR). This book provides analytical methods for analysis of  $^{99m}\text{Tc}$ -HSA,  $^{99m}\text{Tc}$ -EC,  $^{99m}\text{Tc}$ -ECD,  $^{99m}\text{Tc}$ - Sestamibi and LR by HPLC. The reliability of the results is ensured by validating the analytical method and comparing the results with other methods. This book will be useful for chemists, physicists, pharmacists, radiologists, nuclear physicians and others who are involved with Nuclear Medicine in hospitals, clinics and centers for research and production of radiopharmaceuticals



Erika Vieira de Almeida  
Margareth M. N. Matsuda

Analysis of Technetium-99m  
Radiopharmaceuticals by  
HPLC

Analytical methods validation





Colabora con Farmacéuticos Mundi (**FarmaMundi**) (<http://www.farmaceuticosmundi.org/>)



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