



Cyclotron Produced Radionuclides: Emerging Positron Emitters for Medical Applications: 64Cu and 124I (Paperback)

By -

IAEA, Austria, 2016. Paperback. Condition: New. Language: English . Brand New Book. The growing number of medical cyclotrons and positron emission tomography/computed tomography (PET/CT) centres as well as the proven high clinical utility of fluorodeoxyglucose (FDG) in cancer patients has led to interest in possibilities for the use of PET tracers which are in different stages of clinical evaluation. This publication presents the outcome of an IAEA coordinated research project on this topic and provides a comprehensive overview of the technologies involved in the production of 64Cu and 124I, techniques on preparation of targets, irradiation of targets under high beam currents, target processing, target recovery and labelling. It provides guidance to enhance 64Cu and 124I production and applications. This book will appeal to scientists and technologists involved in putting cyclotron based radioisotope production into practice, as well as postgraduate students in the field.

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