



# Radiopharmaceuticals for Positron Emission Tomography - Methodological Aspects (Developments in Nuclear Medicine)

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Radiochemical methodology constitutes the most important base for the successful functioning of a PET group in the routine production and development of radiopharmaceuticals. Of the several hundred products which have been labelled with positron emitters during the past two decades about 35 are presently considered to be of major interest. The time for a state-of-the-art review is right, since this field has advanced over the past fifteen years to reach a level where guidelines can now be suggested. Chapters of this book deal with each of the main methodological aspects of the chemistry needed to develop an effective radiopharmaceutical, namely radionuclide production, automation and metabolite analysis. A further chapter on QA/QC is written by a broadly-based expert group and is meant to provide a guideline and a base for future monographs and regulations on major PET radiopharmaceuticals of today.

This book will help the increasing numbers of scientists who are now entering the field of PET to appreciate the methodological aspects that are normally addressed by chemists in relation to PET radiopharmaceuticals; it provides many useful practical guidelines and will promote early success in their own endeavours, since these will often necessarily begin by establishing chemical methodology of the kind discussed here.

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Review

*'I highly recommend this book to the growing number of scientists involved in the production and development of positron-emitting radiopharmaceuticals ...'*

**European Journal of Nuclear Medicine, 21:1**

*'I can equivocally recommend this book as essential reading for all persons involved in PET radiopharmaceutical production. No PET radiochemist/radiopharmacist should be without a copy on their lab-bench, office desk, and restroom library.'*

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