

1. Record Nr.	UNINA9910794524103321
Autore	IAEA
Titolo	Production and Quality Control of Fluorine-18 Labelled Radiopharmaceuticals
Pubbl/distr/stampa	Vienna : , : IAEA, , 2021 ©2021
ISBN	1-5231-4979-5 92-0-122621-7
Descrizione fisica	1 online resource (168 pages)
Collana	IAEA TECDOC Series ; ; v.1968
Disciplina	616.07575
Soggetti	Radiopharmaceuticals - Synthesis Radiopharmaceuticals - Testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Since their clinical use initiation in the 1970's, Fluorine-18 (F-18) radiopharmaceuticals continue to play an important role in nuclear medicine. It is therefore essential to make available broad information on practical production routes and optimal quality control for F-18 tracers, to achieve the best possible products in high quantity and quality for clinical applications while fulfilling all regulatory requirements. This publication describes the chemical and biological properties of F-18 radiopharmaceuticals. This includes aspects relating to F-18 target production and radiofluorination methods, with focus on the applied techniques. The publication presents a disease oriented approach, describing F-18 radiopharmaceuticals, ranging from the physiological/biological aspects to dedicated radiopharmaceutical development approaches and provides readers with clear guidelines and methods for the production of F-18 radiopharmaceuticals.