



Supporting compliance for radiopharmaceutical production facilities

The Australian Industry Becquerel Traceability Program (AIBTP) provides facilities with direct measurement traceability to the Australian standard for the activity of radionuclides used in Positron Emission Tomography (PET).

This service, established by ANSTO following a successful pilot in 2017, supports industry in the accurate measurement of manufactured radiopharmaceuticals for healthcare.



ANSTO maintains the Australian Standard for the activity of radionuclides by Authorisation of the Chief Metrologist of the National Measurement Institute of Australia (NMI) under the *National Measurement Act 1960*. Being the national authority on radioactivity standards, ANSTO is authorised to provide certificates demonstrating traceability to the Australian standard.

Fluorine-18 FDG

Under AIBTP, facility-produced ^{18}F FDG is assessed on-site using the ANSTO Transfer Instrument. Directly traceable to the Secondary Standard Ionisation Chamber at ANSTO, the Transfer Instrument enables valid traceability assessments, addressing the challenges associated with the short half-life of ^{18}F (109.7 minutes).



To find out more or to express interest, visit www.ansto.gov.au/radioactivity-measurement

Personalised service with certification available for a range of common measurement geometries used in production and QC environments

Assistance to meet TGA and other regulatory compliance obligations (such as ARPANSA requirements)

Optimisation of domestic and international trade of radiopharmaceuticals through accurate measurement of the amount of radioactive product being distributed

Accuracy underpinned by international measurement traceability