

True to its vision of expanding the use and usefulness of PET around the globe, ABT seeks to fully support both prospective and committed customers throughout the entire lifecycle of the client relationship. Recognizing that many ABT customers may be new to PET, and the unique logistical as well as regulatory considerations in evaluating and implementing technology that involves radioactive drugs, ABT offers a comprehensive suite of services that enables customers to maximize value from their investment.

FACILITY REQUIREMENTS

Minimum Room Size 5.5m x 5.5m

Electrical Supply 220 - 250 VAC, 100A

Chilled Water Supply $7^{\circ}C \pm 3^{\circ}C$

Early Stage Project Support Financial and business plan development

Drug Regulatory Consultation Support for documenting Pharmacopeia compliance

Device Regulatory Consultation Product registration for importation

Site Readiness Planning Architectural and utility requirements, construction planning and inspections

Logistics Planning & Export Control Partnerships available for export/import logistics

Supply Channel Development & Execution

Tools for forecasting and managing consumables inventory

Applications "BG-75 Operator" Training Dose-cycle planning, clinical workflow, QC record keeping

Technical "BG-75 Engineering" Training System maintenance, troubleshooting and process monitoring

Technical Support & Service Ongoing technical support and service, both in the warranty period and afterward

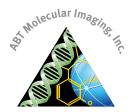


Dose On Demand BG-75 BIOMARKER GENERATOR

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ABT MOLECULAR IMAGING

BG-75 "DOSE ON DEMAND™" BIOMARKER GENERATOR

The BG-75 Biomarker Generator is a revolutionary development in radio-pharmaceutical production that delivers a single or batch dose of [18F]FDG, and additional advanced [18F] biomarkers, "on demand". The system provides integration of all components needed to produce and gualify PET biomarkers into a single, self-contained system that occupies a fraction of the space required by conventional solutions, simplifying the implementation of PET.



Simple Integration

The BG-75 Biomarker Generator integrates a compact mini-cyclotron, kit based micro-chemistry, and automated quality control, simplifying in-house production of [18F] FDG and advanced biomarkers.

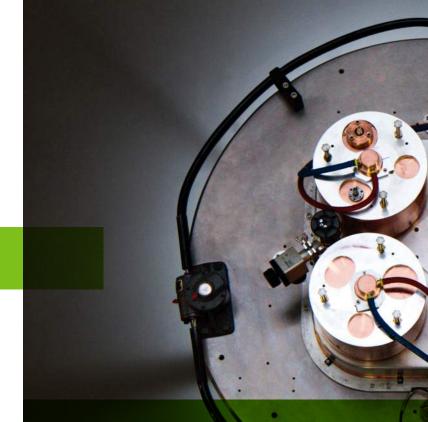
- Push button graphic interface
- Kit based chemistry
- Single or batch dose production
- Final dose delivery to syringe or vial (option)
- Automated guality control testing
- · Integrated cyclotron & chemistry self-shielding
- Complete production lab in a 30²m area



Economical Solution

The BG-75 Biomarker Generator provides a unique, affordable, and powerful alternative to conventional cyclotron solutions.

- 30²m area vs 300²m reduces build-out costs
- QC automation reduces specialist support
- 1-2 FTE vs. 4-5 FTE reduces operational costs
- Lower radiation minimizes regulatory burden



Fully Integrated Design

The BG-75 Biomarker Generator system integrates a 7.5 MeV cyclotron, Chemistry Production Module (CPM), and Quality Control Module (QCM) for on-site production of [18F]FDG, providing automated production and quality control testing. Both the cyclotron and chemistry modules are self-shielded, reducing radiation to <1 mR/hr at the minimum 5.5m x 5.5m room boundary.

Due to the system's small footprint and self-shielding, the BG-75 Biomarker Generator can be easily incorporat-These features translate into significantly less capital ined into an existing clinical or research setting, adjacent vestment initially, and lower ongoing operating costs comto PET imaging equipment if needed. By contrast, standpared to conventional PET biomarker laboratories. Addiard PET biomarker laboratories produce batches of postionally, due to its self-contained design and lower energy, itron-emitting isotopes in a conventional medical cyclodecommissioning the system at the end of its useful life is tron, which poses a far greater radiation burden requiring much simpler and far less costly. Overall, the total cost of significant physical containment of both the cyclotron and ownership for the ABT BG-75 Biomarker Generator is less all downstream processing steps. Typically, a concrete-rethan one fourth that of conventional cyclotron solutions.

Automated Production

The BG-75 Chemistry Module greatly simplifies the workflow associated with radiopharmaceutical production by miniaturizing and automating the processes for biomarker radiolabeling and quality control. The system is provided with the necessary consumables for daily operation including Dose Synthesis Cards and Reagent Kits for biomarker synthesis, and maintenance, cleaning, and SST cards for quality control calibration.

inforced bunker is specially built to contain the cyclotron, with separate "hot" labs dedicated to radiochemistry and QC, and several highly specialized staff to operate the cyclotron and perform the complex functions. In comparison, the BG-75 Biomarker Generator is scaled for a single engineer/operator, occupies one-tenth the space, requires little infrastructure modification, and has embedded chemistry and QC processes that greatly simplify the entire radiopharmaceutical production cycle.

The [18F]FDG production kit contains two different size daily Reagent Kits to meet your site's needs, and support scalability. The standard [18F]FDG Chemistry Module supports clinical [18F]NaF dose production, and ABT is developing optional kits and modules for [18F]FMISO, [18F]FLT, and [18F]F-Choline. The BG-75 Biomarker Generator can also be interfaced to several OEM PET synthesis modules to produce a comprehensive list of [18F] biomarkers for research applications.