



Nuclear Medicine Research Outsourcing Services

Our nuclear medicine research outsourcing services support the design, synthesis, quality control, and clinical validation of diagnostic and therapeutic radioisotopes, advancing precise molecular imaging and radionuclide therapy.

Our Nuclear Medicine Research Capabilities

Our radiochemists and nuclear imaging specialists use advanced cyclotron production, radiolabeling technologies, and in vivo imaging models to develop and test safe, effective nuclear medicine agents.

Types of Nuclear Medicine Research We Handle

- Radiopharmaceutical Synthesis
- Radioisotope Labeling and Optimization
- SPECT Tracer Development
- PET Radiotracer Synthesis
- Theranostic Agent Development
- Radiochemical Purity Assessment
- Radiation Dosimetry Modelling
- Pharmacokinetic Studies of Radioagents
- In Vivo Biodistribution Studies
- Targeted Radionuclide Therapy Research
- Radiolabeled Antibody Development
- Peptide-Based Radiotracer Studies
- Beta and Alpha Emitting Isotope Validation
- Nanoparticle Radio-Labeling
- Quality Assurance of Imaging Agents
- Preclinical SPECT/PET Imaging
- Autoradiography for Tissue Distribution
- Dosimetry and Safety Profiling
- Radionuclide Generator Evaluation
- Isotope Stability Testing
- Good Radiopharmacy Practice (GRPP)
- Clinical Trial Radiopharmaceutical Support
- Regulatory Documentation for Radio Drugs

- Cross-Species Pharmacodynamics Studies
- Publication-Ready Nuclear Medicine Data
- Regulatory-Compliant Nuclear Reports
- Cross-Lab Collaborative Nuclear Projects
- Customized Nuclear Medicine Research
- Radioactive Waste Handling and Safety
- Scale-Up Feasibility for Radiopharmaceuticals

Key Research Outsourcing Services Offered

- Radioisotope Sourcing and Cyclotron Support
- Radiolabeling Method Development
- Radiochemical Purity Testing (HPLC, TLC)
- Pharmacokinetic and Biodistribution Assays
- Dosimetry Calculations and Modelling
- In Vivo SPECT/PET Imaging Studies
- Theranostic Agent Validation
- Radiolabeled Antibody Conjugation
- Peptide and Nanoparticle Labeling
- Preclinical Animal Model Studies
- Autoradiography and Histopathology
- Radiation Safety Compliance Audits
- Good Radiopharmacy Practice Support
- Batch Production and QC Documentation
- Regulatory Filing Assistance
- Confidential Data Handling and NDA
- Interim Progress Reports
- Publication-Ready Figures and Datasets
- Stakeholder Presentation Support
- Workshops and Training in Nuclear Medicine
- Post-Project Technical Consulting
- IP and Patent Filing Support
- Grant Proposal and Manuscript Assistance
- Sample Archiving and Secure Backup
- Compliance with GLP, GCP, ISO Standards
- Cross-Lab Data Validation and Sharing
- Collaboration with Nuclear Medicine Centers
- Long-Term Nuclear Medicine Partnerships
- Scale-Up and Commercialization Feasibility

Why Choose Us for Nuclear Medicine Research Outsourcing?

Our experts deliver robust radiopharmaceutical data, validated dosimetry profiles, and regulatory-ready reports, enabling your diagnostics or therapy agents to reach market faster and safer.

Industries & Sectors We Serve

- Clinical Nuclear Medicine Departments
- Radiopharmaceutical Companies
- Academic Radiology and Imaging Institutes
- Oncology Research Centers
- Regulatory Radiopharmacy Units
- Theranostic R&D Divisions

Customized Nuclear Medicine Solutions

We design radiolabeling protocols, dosimetry plans, and safety assessments tailored to your diagnostic or therapeutic radioagent development needs.

Quality Assurance & Regulatory Compliance

Our workflows comply with GLP, GCP, ISO, and IAEA safety standards, ensuring reproducible, validated, and audit-ready nuclear medicine research outputs.

Case Studies & Client Success Stories

Discover how our outsourcing has advanced new PET tracers, improved dosimetry for therapeutic isotopes, and accelerated regulatory approval for radiopharmaceuticals. References available on request.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define radioisotope, therapeutic target, and study endpoints.
2. **Proposal & Quotation:** Provide detailed plan, compliance roadmap, timeline, and budget.
3. **Lab Execution:** Perform synthesis, radiolabeling, QC, and preclinical validation.
4. **Reporting:** Deliver data packages, regulatory documents, and compliance-ready reports.
5. **Post-Project Support:** Offer scale-up consulting, IP protection, and publication help.

Frequently Asked Questions (FAQs)

Q: Do you synthesize custom PET and SPECT tracers?

A: Yes — we develop and validate novel tracers for diagnostics and therapy applications.

Q: Can you handle dosimetry modeling?

A: Absolutely — we provide robust dosimetry calculations and safety profiling for regulatory submissions.

Q: How secure is my radiopharmaceutical data?

A: Strict NDAs, secure storage, and full compliance with radiological safety standards protect

your data.

Get Started / Request a Quote

Contact us today to discuss your nuclear medicine project and receive a custom plan, timeline, and cost estimate aligned with your clinical and regulatory goals.

Contact Us

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