

Studies of radiolabelled products

We offer a full service for phase 1 studies of radiolabelled investigational medicinal products (IMPs) and non-IMPs. We've done more than 114 of them –

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|-----------------------------|--|------------|
| • ADME | ^{14}C , ^{125}I and ^3H | 48 studies |
| • PET | ^{11}C and ^{18}F | 50 studies |
| • radionuclide probe | ^{51}Cr , $^{99\text{m}}\text{Tc}$ and ^{125}I | 10 studies |
| • microdose | ^{14}C 'light label' | 6 studies |

We do PET studies in collaboration with Invivo, at nearby Hammersmith Hospital, who prepare and administer the ligand, and do the PET scans.

We also collaborate with Pharmaron (Germantown, MD, USA), who offer accelerator mass spectrometry analysis for microdose studies.



Clinical facilities for radiolabelled studies

- spacious new premises with separate areas for studies of 'light label' and conventional doses of radionuclide
- segregated laboratory areas for processing high and low level radioactive samples

Radiolabelled product

- we collaborate with Pharmaron, who prepare radiolabelled product to GMP standard

Radiopharmacy

- capsules
- solutions and suspensions
- sterile iv solutions
- microdoses

Laboratory

- liquid scintillation counting
- UHPLC
- stomacher
- sample oxidiser
- QC of activity of iv doses



Staff

- experienced staff: clinical, pharmacy, laboratory, QA, and radiation protection adviser

Certification

- ARSAC licence holder
- Environment Agency permits for storage and use of radioactivity, and for accumulation and disposal of radioactive waste
- MHRA Phase 1 Accreditation
- MHRA Manufacturer's Authorisation for Investigational Medicinal Products
- ISO 9001 Quality Management System



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Websites

www.pharmaron.com chemistry, GMP radiolabelling and analytics
accelerator mass spectrometry

www.invicro.com cyclotron, radioligands, PET scans