**Required from customer**

- Study design.
- Test compound(s) in powder form or tissues from pre-dosed animals shipped in dry ice.
- Molecular weight of test compounds (optional).
- If applicable, instructions for storage or dosing of test compounds.

**Deliverables**

- High resolution tiff files of all images.
- Excel spreadsheet of raw and analyzed R.O.I values (PSL/mm²)
- Plot of receptor occupancy against either plasma or tissue concentration of the drug or drug dose.
- Description of methods employed.

**Typical study designs**

Study designs are sometimes phased, especially if there is little prior literature. As each phase is completed an invoice is sent and (with client approval) the next phase is initiated.

**Ex vivo receptor occupancy**

- Phase 1 (optional): Pilot study on a limited number of sections (e.g. 10) to replicate a literature study and/or optimize the conditions for receptor labeling in the tissue sections.
- Phase 2: Animal dosing with the test article and occupancy determination. For example, 3 or more treatment groups with 5 - 6 animals per group.

**In vivo receptor occupancy**

- Phase 1 (optional): Pilot study on a limited number of animals (e.g. 5) to replicate a literature study and/or optimize the parameters for in vivo receptor labeling.
- Phase 2: Animal dosing with the test article and occupancy determination. For example, 3 or more treatment groups with 5 - 6 animals per group.