

# Zeptosens RPPA: Host and Tumour Profiling unit, Cancer Research UK - Edinburgh Centre, IGMM.

## If you are considering using the service:

- 1) For quotations and general Zeptosens advice, contact the Host and Tumour Profiling Unit Facility Manager: Alison Munro [rppa@igmm.ed.ac.uk](mailto:rppa@igmm.ed.ac.uk)
- 2) For more in depth technical and experimental advice, contact the RPPA technical manager: Kenny Macleod [Kenneth.Macleod@ed.ac.uk](mailto:Kenneth.Macleod@ed.ac.uk)

## Running samples using Zeptosens technology at HTPU, IGMM:

- 1) Once you have decided to proceed with a study, contact HTPU for a quotation, antibody lists, and scheduling of your study. For clients located outwith The University of Edinburgh a Supply of Services Agreement must be signed by both parties.
- 2) Preparation of protein samples are performed by the client. Zeptosens optimised CLB1 lysis buffer will be sent to the client ahead of their experiment with the relevant SOP. Please note components of CLB1 come out of solution when chilled. Lysis using CLB1 buffer must be carried out at room temperature.
- 3) Quantification of protein samples are performed by the client. An SOP will be provided with our preferred method. Please ensure CLB1 is included in the standard curve to ensure accurate quantification. The optimal protein concentration required for Zeptosens is 2mg/ml with a minimum of 40ul required. Lower protein concentrations can be used but must be discussed with HTPU before proceeding.
- 4) Samples submission to HTPU: a sample submission form must be completed and returned by e-mail with an antibody list prior to sample receipt at HTPU. Samples should be supplied in 1.5ml tubes that are clearly labelled; a simple numbering system of tubes (1-32/64) is preferred. Results will be labelled with these numbers, however if you would prefer to have results labelled with more detailed sample names these can be provided by e-mail.
- 5) On completion of your study we will provide you with the following files:
  - An excel workbook containing the following worksheets:
    - Raw RFI values for each sample.
    - Background subtracted RFI values – raw data minus appropriate secondary control
    - Normalized RFI values (calculated to standard housekeeping proteins if available, or any protein of choice).
  - Relevant antibody QC information i.e. good, use with caution etc.
  - Customer report detailing the ZeptoSens methodology.