

XU RCMi CMBCore

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www.xula.edu/rcmi/cellmolbiocore



Services Offered :

Bioassays

1. Toxicity Assay
2. Proliferation Assay
3. Cell Viability Assay
4. IC50 Dose Response

Pricing Examples

- Internal/ External

\$455/ 736 per assay (n = 3)
includes cell maintenance

Functional Studies

1. Kinase Assays - IC50 (Invitrogen)
2. Nuclear Receptor Binding Assays
- ER, AR, PR, GR
3. RNAi or shRNA
4. Cell-Based Assays (transfection plates)
5. Optimize assay from literature

\$230/ 370 per 20 compounds

\$500/ 811 per compound

\$441/ 707 for <= 6

\$230/ 370 per assay

Cell Culture

1. Maintain Cell and plate as requested
2. Transfections

\$160/ 258 per week

\$378/ 606 for <= 12

Gene Expression

1. Real time rt-PCR (SABiosciences)
 - a. Commercial PCR Arrays
- Pathway/ disease focused
- miRNA screen
 - b. Custom real time rt-PCR
2. Other PCR Arrays
 - a. DNA Methylation Array
 - b. DNA Somatic Mutation Array

\$270/ 437 per assay

- assuming 12 plates

Molecular Biology

1. Protein extraction, purification and quantification
2. DNA/ RNA extraction, purification and quantification
3. Cloning
 - a. Primer design
 - b. PCR
 - c. Ligation
 - d. DNA product production and validation
4. Recombinant Protein expression
 - a. Bacterial
 - b. Mammalian cell culture
5. Gel electrophoresis and Western Blotting/proteome profiler assay
6. Immunoprecipitation/ affinity interactions

\$737/ 1165 per project

\$384/ 620 per protein

Proteomics

1. Mass Spectrometry based Global Scale Protein Profiling
 - a. TMT Mass Tagging
\$553/ 894 for < 9 samples
- for quantitative protein expression analysis
 - b. Phospho-protein Profiling - in development
2. 2D Gel Electrophoresis
- with MalDI MS analysis of spots

\$1275/ 2054 for 12 gels

Analysis

1. Heatmap generation
2. Gene Ontology Analysis
3. Pathway analysis and custom pathway creation

\$45/ 73 per hour

Training

- For students, post-docs or PIs

XU RCMi



NIMHHD



www.rtrn.net



Contact us if you do not see an experimental technique you require or have questions