Next-generation sequencing (NGS):

**NGS library preparation:**
- Library prep, DNA-seq: $117.42/sample
- Library prep, RNA-seq: $159.65/sample

*Library preparation, volume discount*:
- 24-30 samples, if submitted in bulk: 10% discount/order
- 31-47 samples, if submitted in bulk: 15% discount/order
- 48-95 samples, if submitted in bulk: 25% discount/order
- 96+ samples, if submitted in bulk: 40% discount/order

*Library preparation, volume discount applied at defined threshold*:
- 48-95 samples: 25% discount applies on future orders once 48 samples are processed
- 96+ samples: 40% discount applies on future orders once 96 samples are processed

*Discounts for NGS library preparation will be applied only if all samples are submitted, processed and are ready to invoice before the close of the fiscal year.

**NGS runs (run only, does not include library preparation):**
- Proton P1 chip platform: $700.40/chip (~80M reads)
- Torrent PGM: Please request quote
- Illumina NextSeq 500 instrument:
  - Mid output chip (1 x 150nt or 2 x 75nt): $1,676.22
  - High output NextGen chip (1 x 150nt or 2 x 75nt): $3,502.00
- User supplies reagents and chips (labor): $587.10/run

**Affymetrix microarrays***:
- Gene ST 2.0: $363.00
- Clariom S array: $215.00
- Clariom S array w/ pico amplification: $224.00
- Clariom D array: $343.00
- Clariom D array w/ pico amplification: $352.00
- miRNA 4.0: $399.00
- Processing fee, user provides array(s): $98.00/sample
***For bulk orders, >100 samples, please contact the core for a price quote

**Agilent Bioanalyzer:**
- High Sensitivity DNA: $57.82
- RNA Nano: $38.24
- RNA Pico: $43.71
- Small RNA: $54.64
- DNA 1000: $38.24
qPCR services, Roche LC480 platform:
  qPCR run fee****: $10.93/plate
  **** requested, but unused time will also be billed
  UPL probe: $8.24/aliquote
  Reagents and disposables for qPCR: Cost of aliquot, plus 10% markup

Sanger sequencing (ABI 3130 platform):
  Standard reaction: $4.24/sample
  Difficult samples: $12.73/sample

QiaCube automated nucleic acid preparation:
  RNA prep: $10.30/sample;
  DNA prep: $7.43/sample
  add $2.43/sample for DNAse treatment

Fluidigm Biomark (not including pre-amplification steps or reagents for qPCR):
  Gene Expression, 48 samples (chip): $299
  Gene expression, 96 samples (chip): $937
  Genotyping, 48 samples (chip): $299
  Genotyping, 96 samples (chip): $608
  Digital PCR or other assay formats, please request a quote.

Qubit fluorometric quantitation: $1.00/sample

Covaris ultrasonicator: $5.15/tube

Services provided by external vendors:
  Transnetyx, genotyping: Please inquire; dropbox kiosk available at MRC
  GeneWiz, Sanger sequencing: $4.00/sample, standard, $10.00/sample, difficult;
  dropbox/shipping services available at MRC

Services available at no recharge:
  Eppendorf liquid handling robot (no charge for equipment use; costs of disposables only), fluorescent
  microscope (using DAPI, red or green fluorophores), Nanodrop, Spectra Max M2e 96-well plate reader.

External users, surcharge rate:
  “Friends of UTHSC” *: 10%
  *Customers who are active collaborators with, or who have recently published with UTHSC faculty.
  The “Friends” rate is offered at the discretion of the MRC Executive Director.

  External, academic: 20%

  External, Non-academic **: 50%
  ** Unless otherwise pre-negotiated with the Office of Research