



COME BACK TO THE MRC

FOR YOUR NEXT-GENERATION SEQUENCING (NGS) NEEDS

Source: Illumina

The MRC offers high-quality, fast turnaround NGS services, with the customer support your project deserves!

The Molecular Resource Center (MRC) at UTHSC has recently purchased a new Illumina NextSeq 2000 next-generation sequencer to replace the NextSeq 500. The NextSeq 2000 can yield up to 1.2 billion paired end sequence reads and 360 GB of sequence in a single run. This instrument is capable of sequencing up to 60 RNA-seq samples and 4 whole mammalian genomes (at 30x coverage) in a single run, at a substantially reduced price relative to the NextSeq500.

DNA and RNA library preparation pricing has been reduced for FY23. Download the FY23 price list: uthsc.edu/research/institutional-cores/

EXAMPLE:

- a 60 sample RNA sequencing run, with 20 million 2x100 base paired end reads/sample, including library preparation, will cost approximately \$170/sample.

Your project will benefit from quick turnaround time relative to external vendors. Contact Dr. Bill Taylor (wtaylor@uthsc.edu) to set up a consultation.

"The best reason to use the MRC is their excellent customer support. NGS experiments can be quite complex. The ability to meet in person with core staff to troubleshoot technical and data analysis issues means they provide a level of customer service not available with any outside vendor."

Nick Laribee, PhD, UTHSC College of Medicine

SAVE THE DATE

**THURS, 10/27 | 12:00 - 1:00PM
CANCER RESEARCH BLDG.**

Join us for a seminar by Illumina highlighting the features of the NextSeq 2000. Lunch will be served to the first 30 attendees.