

# McDermott Center Sequencing Core

The McDermott Center Sequencing core facility provides DNA sequencing services for UT Southwestern Medical Center Investigators. Samples are sequenced using Applied Biosystems(AB) Big Dye Terminator 3.1 chemistry and AB capillary instrumentation. We are located on north campus in room NA2.138, and maintain a south campus drop off box located in room L5.268. Sample sign up sheets and storage are available at both locations. The cost is \$7 per sample and results are normally emailed in one business day if submitted before 2:00 pm.

## Requirements for DNA Sequencing:

- Orders should be submitted online at <https://sequencing.swmed.edu>
- You will need a valid account number and requisition number.
- Premix your template and primer for a total volume of 12 µl.

Plasmid	PCR	Primer
1.5 µg	50 ng	6 pmole

- Please indicate if you wish us to add one of the standard primers (see below) or we will assume you have already premixed your sample. If no primer is added, submit your template in a total volume of 6 µl.
- Optimal results are obtained when the purified templates and primers are diluted in dH<sub>2</sub>O, avoid TE buffer (EDTA).
- PCR products need to be purified.
- DNA concentrations are best estimated by comparison with the bands of a DNA ladder on an agarose gel or a NanoDrop spectrophotometer.

## We provide the following standard primers:

T3 5'-ATT AAC CCT CAC TAA AG-3'

T7 5'-TAA TAC GAC TCA CTA TAG GG-3'

M13-21 5'-TGT AAA ACG ACG GCC AGT-3'

M13-REV 5'-CAG GAA ACA GCT ATG ACC-3'

SP6 5'-ATT TAG GTG ACA CTA TAG-3'

## Contact Information:

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