

Building of a TMA:

For TMAs using UAB patient samples (either from the Anatomic Pathology archived cases or those kept in the Tissue Bank) the investigator needs to identify a pathologist who can collaborate and help with collection of individual FFPE tissue blocks and annotate H&E slides of the individual tissue blocks for specific areas to sample.

TMAs from animal FFPE samples can be used as well and can be prepared without the need of a pathologist as long as locations for core drilling are identified on H&E sections.

Standard TMA blocks are built with 50 *2mm* diameter cores (5 of these are normal tissue controls). Pricing for TMAs with smaller cores can be requested.

Cost for TMA construction can be requested via the O'Neal voucher pilot fund program for O'CCC members.

Scenarios:

1. Donor blocks from UAB-TBR or Anatomic Pathology (AP) archived cases with Collaborating Pathologist (CP); CP will identify FFPE blocks and mark H&E slides for coring. TMA blocks belong to the Tissue Bank and they are NOT released to the requestor; only the TMA slides cut from those blocks are to be provided to the requestor. Total Charge per block (see Table 1) will cover: 1 H&E and 5 USS and the de-identified report (standard report) including TMA Map and spreadsheet showing basic information: Donor#, sex/age/race, and diagnosis. Additional slide can be requested with a fee as illustrated in the Table 2 below.
2. Donor blocks from UAB-TBR or AP with No CP, Tissue Bank Director will review/mark the H&E for coring location. TMA blocks belong to the Tissue Bank and they are NOT released to the requestor; only the TMA slides cut from those blocks are to be provided to the requestor. Total Charge per block (see Table 1) will cover 1 H&E and 5 USS and the de-identified report (standard report) including TMA Map and spreadsheet showing basic information: Donor#, sex/age/race, and diagnosis. Additional slide can be requested with a fee as illustrated in the Table 2 below.
3. Donor blocks (human or animal) provided by requestor. The H&E slides should be provided/annotated for coring areas corresponding to the donor blocks by the requestor to build the TMA. TMA blocks will be released to the requestor. Total Charge per block (see Table 1) will cover block only (NO slides will be provided unless requested and will be charged separately as illustrated in the Table 2 below.
4. Sectioning Requests from existing Tissue Bank TMA blocks. If the PI is requesting sections from TMA blocks that were generated through the Cancer Center voucher, the PI needs to make a short, written request that will be reviewed by the O'Neal tissue committee in order to get access to those blocks.
5. Sectioning Request on outside TMA blocks provided by the investigator (TMA blocks were not built in Tissue Bank)

Table 1. TMA block generation:

	TBR/AP blocks with CP ¹	TBR/AP blocks without CP ²	Requestor's own blocks ³
construction	\$400/block	\$400/block	\$200/block
Core transfer	\$10/core	\$10/core	\$10/core
	(50 cores)	(50 cores)	(50 cores)
	\$500	\$500	\$500
TOTAL/block	\$900	\$900	\$700

Table 2. Sectioning of TMA:

	PI requested TMA generation in the Tissue Bank and needs extra section ¹⁻³	PI not previously requested TMA generation in the Tissue Bank and needs section from existing TMAs ⁴	Outside TMA blocks ⁵
Extra unstained slides	\$35 each	\$100 each	\$35 each
H&E slide	\$35 each	\$100 each	\$35 each
IHC/slide/Ab	\$100 each	\$100 each	\$100 each