

NCI Patient-Derived Models Repository (PDMR)
Material Request Procedures for TMAs

Effective Date: 4/1/2026

Please check for revision status of this document at

<https://dctd.cancer.gov/>

PDMR NCI Patient-Derived Models Repository
An NCI Precision Oncology InitiativeSM Resource

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The following items are required to receive materials:

1. Fill out a PDMR Model Request Form.
 - a. Provide a brief description of the research plan for the requested TMA slide(s), including details of completed IHC/IFA optimization
 - b. Intramural investigators (MD campuses – Bethesda, Shady Grove, Frederick) – leave the FedEx and Payment Information blank
2. Review the [Material Transfer Terms of Agreement](#) and then fill out the Material Transfer Agreement (MTA) with all requested TMAs included in Appendix 3 and the requesting site's authorizing official signature affixed. Modifications to NCI's MTA Terms of Agreement will not be considered.
 - a. List the PDMR TMA Panel(s) name, the number of slides being requested (maximum of 3 per investigator), and if you want consecutive/non-consecutive slides.
 - b. A maximum of 3 slides per TMA panel can be requested by an individual investigator. Specific slide numbers may not be requested
 - c. Intramural Investigators: Use the designated MTA for Intramural Investigators
3. Requests will be processed after receipt of all required documentation; partial submissions will be returned. The requests will not be reviewed until all paperwork has been received. Please send the necessary paperwork to: [NCI PDM Repository@mail.nih.gov](mailto:NCI_PDM_Repository@mail.nih.gov)

PDX TMA Panels that may be requested:

PDX TMAs are composed of 1.5mm cores of formalin-fixed, paraffin embedded PDX material. All TMA blocks were constructed using two cores for each PDX model and three cores for each mouse control tissue. Slides pass QC for distribution if at least 75% of PDX models are represented by at least 1 spot and each mouse control is represented by at least 1 spot. H&E and human Ku80 IHC staining have been performed at set intervals when sectioning through the block and assessed by certified pathologists for pass/fail quality control. Each slide is paraffin-dipped and individually packaged in Mylar bags containing desiccant. Slides should be stored at 4°C until use. SOP60101 TMA Slide Deparaffinization can be found on the [PDMR SOP webpage](#).

PDMR Request Review Criteria

A committee of National Cancer Institute and Frederick National Laboratory for Cancer Research scientists will review all requests prior to approval of distribution.

For example, the TMA slides are not to be used for IHC/IF antibody optimization. Antibody usage for IHC/IF should have been previously validated for use in FFPE tissue. The review committee will not approve requests that have not clearly stated in the Research Plan that the assay/antibody has been optimized for use in FFPE tissue.

General Shipping and Handling Information

Recipients

- A Federal Express (FedEx) account number provided by the Recipient to which the shipment can be charged is required for all Domestic and International requests. Alternatively, a prepaid FedEx label provided by the Recipient at time of shipment is acceptable; the PDMR will email the Requestor with the details needed to generate the label when needed.

Distribution Costs (excluding shipping)

- Payment can be made by (i) electronic ACH/Wire payment (contact us for details) or (ii) mailed paper check made payable to the “**Leidos Biomedical Research.**” These monies will then be transferred to the National Cancer Institute.
- An invoice for the Distribution Costs will be e-mailed to the designated Recipient Billing Contact once materials have been shipped.
- Remittance should be received within 30-days of invoice.

Specimen Type	NCI/NIH Investigators: at MD campuses only	Academia/Non-Profit: non- MD campus NCI/NIH Investigators	Commercial Entities
Per TMA slide	\$0	\$100	\$500

Contact Information

For questions or comments, please e-mail the NCI Patient-Derived Models Repository at:
NCI_PDM_Repository@mail.nih.gov