

# Nervous System Tumor Bank Request Form

FY 25

## PROJECT TITLE:

### Principal Investigator Information

\_\_\_\_\_ Last Name First Name NetID

\_\_\_\_\_ Phone number E-mail

### Requester Information (If different from PI information)

\_\_\_\_\_ Last Name First Name NetID

Chart String for Billing \_\_\_\_\_

### Status of Project:

Funded Clinical Trial

Funded Non-trial – MBTI investigator

Non-Funded Project – MBTI investigator

Funded Northwestern Faculty Project

Non-Funded Project – Non-MBTI investigator

**If you are not an MBTI faculty member, are you collaborating with MBTI Faculty:**

No Yes; Name: \_\_\_\_\_

**Tumor Type** (one type per form): \_\_\_\_\_

### Specimen(s) Requested:

#### Whole blood

Volume required (mL): \_\_\_\_\_

#### PERIPHERAL BLOOD MONONUCLEAR CELLS (each 1mL sample contains up to 20 million cells)

Number of samples: \_\_\_\_\_

#### PLASMA

Minimum amount required (mL): \_\_\_\_\_

Number of samples: \_\_\_\_\_

#### CEREBROSPINAL FLUID

Minimum amount required (mL): \_\_\_\_\_

Number of samples: \_\_\_\_\_

#### CEREBROSPINAL CELL PELLETT

Number of samples: \_\_\_\_\_

#### FRESH TISSUE (only available to Northwestern labs)

Minimum mass per sample (mg): \_\_\_\_\_

Number of samples: \_\_\_\_\_

#### FROZEN TISSUE

Minimum mass per sample (mg): \_\_\_\_\_

Number of samples: \_\_\_\_\_

#### CELL LINE

Number of samples: \_\_\_\_\_

**Note:** Plasma collected prior to 2016 was collected from a ficoll gradient and frozen in 1mL aliquots. Current plasma samples are collected in EDTA tubes and frozen in 1mL aliquots. All peripheral blood mononuclear cell samples are collected in sodium heparin tubes and frozen in 1mL aliquots. All slides will be cut at 4 microns unless otherwise specified.

Any additional information you would like to communicate to the NSTB regarding the specimen request?

*For example, would you like to be notified via email when a sample becomes available?*

Please submit this form at <https://disburser.cancer.northwestern.edu/>  
or email [nervous.system.tumor.bank@northwestern.edu](mailto:nervous.system.tumor.bank@northwestern.edu) with any questions.

**Histology Requested**

If you require additional space to list samples, please use the excel sheet found in the attachments of this document.

**SAMPLE INFORMATION**

Sample(s) provided by NSTB

Sample(s) provided by Requester

**SLIDES** Note: All slides will be cut at 4 microns unless otherwise specified.

Sample ID	Unstained Slides	H&E staining	Immunohistochemistry Assay (Please specify antibody name and catalog number)	Immunofluorescence Assay (Please specify primary antibody name and catalog number)	RNA In Situ Hybridization

**Data Requested**

**REDCap NSTB Project Query**

The NSTB staff can query our database for you to determine the feasibility of your project.

**NMH Patient Chart Review**

If you are looking for data outside of the current NSTB curation, a patient chart review will be performed by the NSTB staff.

The NSTB has an active REDCap project where you can view deidentified data corresponding to any NSTB sample. For access to this service, please email [nervous.system.tumor.bank@northwestern.edu](mailto:nervous.system.tumor.bank@northwestern.edu)

**Requester IRB/IACUC Information**

Please provide your IRB number which covers the approval of obtaining specimens from the NSTB. This is for audit purposes only.

IRB Protocol Number: \_\_\_\_\_

IACUC Protocol Number: \_\_\_\_\_

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**Proposal (Please give rationale, significance and a brief background for the proposed studies; no page limit, but a half page or less is recommended. Use an additional page if necessary.)**

**What is the goal for the proposal (check all that apply):**

**Paper**

**Grant (mechanism [e.g. NIH R01] \_\_\_\_\_)**

**Talk**

**Meeting Abstract**

**If already funded, please supply funding institute and grant number:**

**Official Use Only**

Proposal Approval Date

Authorizing Signature (NSTB Director)

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Items	Units	NU User	External Academic	External Commercial
<b>Human Blood &amp; Cerebrospinal fluid</b>				
1a. PBMC – collected from sodium heparin blood tubes using a standard Ficoll separation gradient and frozen in a 9:1 ratio of FBS:DMSO. Samples are stored in the vapor phase of liquid nitrogen.	1mL	\$33.76	\$236.84	\$473.69
1b. Plasma – platelet poor plasma collected from an EDTA collection tube. Samples are stored at -80°C.	1mL	\$21.45	\$72.76	\$137.45
1c. Whole Blood – collected in vacutainer of researcher's choosing	per tube	\$9.20	N/A	N/A
1d. CSF supernatant - 1mL frozen patient CSF supernatant, stored in -80 degrees.	1mL	\$69.48	\$125.06	\$347.52
1e. CSF cell pellet - cellular material collected from CSF. Stored in liquid nitrogen.	1 pellet	\$83.37	\$150.07	\$417.05
<b>Human Tumor Tissue</b>				
2a. Tumor Tissue – Fresh	TBD	\$35.19	N/A	N/A
2b. Tumor Tissue – Frozen – stored in the vapor phase of liquid nitrogen with no preservatives.	1 cryovial	\$40.47	\$141.74	\$283.48
2c. Meningioma Cell Line - patient derived cell line established within the NSTB. Cells are frozen in a 7:2:1 ratio of media:FBS:DMSO.	1mL	\$46.88	\$303.15	\$606.30
2d. GBM Cell Line – patient derived cell line established within the NSTB. Cells are frozen in a 7:2:1 ratio of media:FBS:DMSO.	1mL	\$45.64	\$275.59	\$551.18
<b>Histology Services</b>				
3a. H&E Stain – standard H&E stain and includes review by Dr. Horbinski, a board certified pathologist.	1 slide	\$7.68	\$32.06	\$46.11
3b. Antibody titration – titration of antibody for staining optimization.	1 slide	\$65.67	\$262.70	\$409.81
3c. Immunohistochemistry Stain – includes consultation with our histology specialist, manual processing, and review by Dr. Horbinski, a board certified pathologist.	1 slide	\$19.64	\$60.46	\$90.70
3d. Immunofluorescence - includes consultation with our histology specialist, manual processing, and review by Dr. Horbinski, a board certified pathologist.	1 slide	\$41.13	\$275.52	\$912.44
3e. RNA In Situ Hybridization – consult for specific probes required.	1 slide	\$60.80	\$374.16	\$1,102.08
3f. Unstained Slide	1 slide	\$3.90	\$13.26	\$21.23
3g. FFPE scrolls – tissue sections collected in Eppendorf tubes, 8-10um thick	Per 5 scrolls	\$9.96	\$59.75	\$129.33
3h. Autopsy case sectioning - Unstained slides from autopsy cases	1 slide	\$13.67	\$113.39	\$241.16
3i. Control tissue sectioning – unstained slides from tissue blocks used for IHC controls (i.e. tonsil, gallbladder)	1 slide	\$3.50	\$13.06	20.23
3j. OCT mold – OCT plastic molds, plus cost of fresh tissue	1 mold	\$9.33	\$18.65	\$24.25
3k. Other Miscellaneous Stain – other or additional histology work not covered by the above categories.	1 slide	\$7.94	\$24.39	\$45.02
3l. Special sectioning - Any special considerations required for sample sectioning. Charged per quarter hour.	¼ hour	\$1.95	\$3.90	\$7.80

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Services	Units	NU User	External Academic	External Commercial
<b>Data Acquisition</b>				
4a. REDcap NSTB project query – <i>checking availability within the NSTB and curating custom data reports.</i>	¼ hour	\$23.52	\$235.29	\$352.93
4b. NMH Patient Chart Review – <i>gathering data from hospital records and delivered in a de-identified format.</i>	¼ hour	\$36.66	\$251.83	\$458.81
<b>Technician Services</b>				
5a. Rush request – <i>any work needed within a shorter time frame than would be normally completed.</i>	Per request	\$66.83	\$87.73	\$136.85
5b. Technician time – <i>general time spent on special requests, specimen pickup, etc.</i>	¼ hour	\$30.23	\$45.58	\$68.36
5c. Honest broker services – <i>specimen tracking for projects where an honest broker is needed to de-identify the samples.</i>	½ hour	\$52.89	\$125.11	\$192.49
5d. Clinical archive FFPE block request – <i>FFPE blocks are requested from the NMH clinical archives.</i>	Per request	\$22.03	\$84.77	\$117.52
<b>Instrument Training &amp; Use</b>				
6a. Confocal Microscope Training – <i>only available to MBTI researchers.</i>	1 session	\$60.00	N/A	N/A

Materials/Supplies	Units	NU User	External Academic	External Commercial
<b>Histology Consumables</b>				
7a. 5-count slide box	1 box	\$0.85	\$1.03	\$2.58
7b. 25-count slide box	1 box	\$3.50	\$12.39	\$23.60
7c. 50-count slide box	1 box	\$5.50	\$19.02	\$36.22
7d. 100-count slide box	1 box	\$6.50	\$19.73	\$32.03
7e. 20-count slide cardboard folder	1 folder	\$5.22	\$9.50	\$13.43

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