Experimental Tissue Resource (ETR)

Research Tissue work-flow

Delia Tifrea
9-19-19
Experimental Tissue Resource (ETR)

- Shared Resource of Chao Family Comprehensive Cancer Center
- UCI IRB Approved: 08-22-2018 | CPA # 24665 | HS# 2012-8716
  - Honest broker status
  - Facilitates and track usage of tissue for research

Contact info:

Biorepository Manager: Delia Tifrea, PhD, MBA
Phone: 714-872-1093
Fax: 714-456-5873
email: dtifrea@uci.edu

Research Histology Specialist: Jeffrey Kim
Phone: 714-456-3389
Fax: 714-456-3637
email: jbkim@uci.edu

Director: Robert Edwards, MD, PhD
Phone: 949-824-8576, 714-456-6141
email: redwards@uci.edu
ETR SERVICES

- Archival FFPE blocks and slides
- Archived Frozen Tissue
- Fresh Tissue by FNA/ Biopsy/ Surgical
- IHC
- Borrowing of Diagnostic Slides for eligibility confirmation

Diagnostic FFPE blocks

Research slides

FRESH tissue

FROZEN tissue banking
Standard Operating Procedures

- Per HRP Policy 15 and the UCIMC Anatomical Pathology/Surgical Pathology - Procedure Number: S-23: all specimens removed from clinic or the operating room must be sent to UCIMC Pathology for review and documentation by a pathologist.

- Only remnants are to be used for research; a remnant is defined as tissue not needed for diagnosis.

- A faculty pathologist is the only physician authorized to determine the release of tissue for research.

- The determination cannot be made by surgeons or other physicians.

- Pathology has to be notified of all tissue collections for research.
Exempt Specimens

- UCI Department of Pathology and Laboratory Medicine is charged with the management of all non-dermal tissues and fluids and prosthetics derived from procedures at UCI.

- Usually not submitted to Pathology for processing.

- **Exempt tissue**
  - defined as Specimen that don’t need meaningful examination
  - cataract, orthopedic appliance, newborn foreskin, bone from degenerative joints, bunions, spinal procedures, or portion of and removed only to enhance operative exposure; menisci, articular cartilage and blood clots.
  - Radioactive medical devices & sources (managed by EH&S)
  - Traumatic amputations where examination for either medico/legal reasons is not deemed necessary.
  - Foreign bodies (for example, bullets)
  - Placentas that are grossly normal as determined by the delivering gynecologist
  - Tonsil and adenoids of patients under age 17.
  - Stones of visceral organs.
Research Human Tissue can be obtained at UCI in 2 scenarios:

1. Confirm that the specimens will be obtained from the ETR, Pathology

or

2. Obtain confirmation from a UCIMC Pathologist (ETR) that the proposed exempt specimen* may be collected directly from the unit/department/OR.
Research tissue Flow Process

- **Patient schedule for OR**
  - **Patient enrolled in research study**
    - **Notify Pathology**
      - **YES**
        - **Provide**
          - ETR requisition form
          - IRB approved protocol
          - Signed informed consent (if required)
        - **Delia Tifrea**
        - **Fresh tissue**
      - **NO**
        - Tissue sent to Pathology for routine care
        - **Jeff Kim**
        - FFPE slides or blocks

- **Frozen tissue**
Fresh Tissue Procurement

- **Urgency** due to short viability of the tissue or last minute obtained informed consent

- Must provide all 3 documents **prior** to tissue collection from Pathology:
  1. IRB approval + narrative of that protocol: type of tissue, quantity approved for, conditions
  2. Patient’s signed informed consent ([UCOP Policy No. 9420 -24h](#)) – statements in writing, text or picture
  3. ETR requisition form

E-mail: dtifrea@uci.edu
Call/ text: 714-872-1093
Patient Name / MRN / study
Person collecting the tissue: **Phone number**!
Research-only Biopsy

Must notify Pathology!

Not exempt from Pathology, even if approved to be collected directly from the OR

E-mail: dtifrea@uci.edu
Call/ text: 714-872-1093
Patient Name / MRN / study
Person collecting the tissue
Diagnostic Slides for Research

- H&Es, special cytochemical or IHC Stains
- Six week loan out.
  - 24-48 hours turn around

Must provide 2 documents:

1. IRB approval + narrative of that protocol: type of slides, quantity approved for, conditions
2. Patient’s signed informed consent for a specific study

E-mail: dtifrea@uci.edu
Call/ text: 714-872-1093
Patient Name / MRN / study
Person collecting the tissue + Destination
FFPE Tissue Procurement

Must provide all 3 documents:

1. IRB approval + narrative of that protocol: type of tissue, quantity approved for, conditions
2. Patient’s signed informed consent for a specific study
3. ETR Requisition form

Contact: Jeffrey Kim
Phone: 714-456-3389
Fax: 714-456-3637
e-mail: jbkim@uci.edu
Experimental Tissue Resource (ETR)

ETR website: http://www.pathology.uci.edu/research-services-core-facility.asp
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ETR Requisition Form

Please provide here the Recharge account number specific for the protocol number.

Study HS #
Patient’s name/ MRN

If your Exempt Review letter states that this does not qualify as a human research and does not need IRB Approval: Click NO

# ETR Requisition Form

## Histology Service Requested

<table>
<thead>
<tr>
<th>Request FFPE Human Tissue Block from Pathology Department Archive</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Archive search by diagnosis (up to 10 blocks) §</td>
<td>NA</td>
<td>$3.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>B Archive search for each additional block or by patient identifier, per block*</td>
<td>NA</td>
<td>$3.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Process a Clinical Research Specimen in Pathology Dept., WITH Adequacy check</td>
<td>$50.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>C Pathologist Assessment of tumor presence and sufficiency for assessment</td>
<td>$50.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Process User Supplied Samples without Pathologist Review</td>
<td>$7.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>D Trim, process, orient, and paraffin embed fixed tissue</td>
<td>$13.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>D1 All of the above, with one H&amp;E (per block)</td>
<td>$13.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>D2 Batch rate (minimum of 10 samples), with one H&amp;E (per block)</td>
<td>$11.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>E Trim and orient frozen tissue in OCT, user supplied frozen specimen</td>
<td>$10.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>F Cut per frozen specimen provided from Bio-repository</td>
<td>$20.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>G Decal Bone specimen</td>
<td>$10.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

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**Department of Pathology and Laboratory Medicine**

UC Irvine Medical Center

Form S-65 ver. 10/15/2012

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## RESEARCH HISTOLOGY and BIO-REPOSITORY SERVICES REQUEST FORM

<table>
<thead>
<tr>
<th>Histology Service Requested</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut Unstained Slide from Tissue Blocks</td>
<td>#/slide</td>
<td>$4.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>H Cut first slide (1 or 2 sections/slide, on Superfrost+ slide)</td>
<td>#/slide</td>
<td>$4.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>H1 Re-cut additional #/slide</td>
<td>$3.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>H2 Cut tissue into #/slide</td>
<td>$4.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>I Cut first frozen section (1 or 2 sections/slide, on Superfrost+ slide)</td>
<td>#/slide</td>
<td>$6.00</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

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Please provide here the number of cassettes.

Please provide here the number of slides.
<table>
<thead>
<tr>
<th>Request Human Tissue Specimens, either Fresh or Frozen - Clinical Trials ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the sample from Research Only Biopsy?</td>
</tr>
<tr>
<td>Cytopathology Adequacy Check Required during the Biopsy?</td>
</tr>
<tr>
<td>Type of report required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Q</th>
<th>Fresh tissue / Frozen Inventory / OCT embedded frozen tissue, per specimen</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quantity</td>
</tr>
<tr>
<td>☐</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>R</th>
<th>Case and Block Number(s):</th>
<th>Core’s Diameter (1, 2, 3mm):</th>
<th>250% of subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>$25.00</td>
<td>$0.00</td>
<td></td>
</tr>
</tbody>
</table>

For orders not picked up at UCI or UCIMC:
Shipping (packaging charge $5 dry, $25 dry ice, or TBD) (your FedEx # ___________)

You can use this space to identify this particular tissue for your records:
example: date

Please mark the quantity/ or number of pieces/ any other measure that describes the tissue you received

Sponsored trial are Outside / for profit
ETR Requisition Form

RESEARCH HISTOLOGY and BIO-REPOSITORY SERVICES REQUEST FORM

If there are more specific instructions, please describe below, and copy your specific instructions with the cover email or fax when submitting this form.

- If special embedding is required, please state exact orientation of the tissue.
- For sections, please include how they should be cut, number of microns between cuts, and whether you want the block completely cut through.
- For electron microscopy, explain what structures need to be photographed and at what magnification.

Please provide here any special instructions
Picking up your bio-specimen

- Only a certified person can pick up sample (for clinical trials, collecting samples with PHI: their name has to be on the approved IRB narrative)
- Wait to be notified that tissue is ready to be picked up
- Please bring a secondary container for transport
- Find tissue in the 4°C fridge: RESEARCH TRAY
- Before you leave, please Sign-out form (table by the exit)
  - Date; Time; Pick up person; Signature of pick up person; Tissue type and quantity; Study ID or IRB ID; Surgipath or MRN
Picking up your bio-specimen

- Refer all research questions to ETR personal by call/text/E-mail

- Please do not call Pathology Grossing room or OR repeatedly. Wait to be notified of tissue availability

- Please do not impede the Grossing room work-flow process for diagnostic

- All tissue collections at UCI need to be accounted for.
Questions?

• Thank you!