

## KIT COMPONENTS

**FFPE Specimen Collection & Transportation Kit**

- Requisition form x1  
Instruction for use x1
- Sealing sticker x1
- Zip-lock bag (for block) x1
- Slide container x1
- H&E stained slide container x1
- "Exempt Human Specimen" sticker x1

**Liquid Specimen Collection & Transportation Kit**

- Requisition form x1  
Instruction for use x1
- Sealing sticker x1
- "Exempt Human Specimen" sticker x1
- Streck tube x2

\*1 or 2 Streck tubes will be provided as needed.

## SPECIMEN PREPARATION

### FFPE Slides

<p><b>1</b></p> <p>total surface area: ≥ 125 mm<sup>2</sup></p>	<p><b>2</b></p>	<p><b>3</b></p>	<p><b>4</b></p>
<ul style="list-style-type: none"> <li>• Please provide 5-20 consecutive unstained FFPE sections at 10 μm-thick, on glass slides.</li> <li>• The total surface area of the sections combined should be ≥ 125 mm<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Please provide 1 H&amp;E stained slide at 5 μm-thick.</li> </ul>	<ul style="list-style-type: none"> <li>• ≥ 10% of malignant tumor content is required.</li> <li>• ≥ 30% of malignant tumor content is preferred.</li> </ul>	<ul style="list-style-type: none"> <li>• Each FFPE slide must be properly labeled and placed in the slide container.</li> <li>• The H&amp;E stained slide should be placed in the provided container.</li> </ul>

### Liquid Specimen Collection

#### Precautions:

- Prevention of backflow – Since the Streck tube contains chemical additives, it is important to avoid possible backflow from the tube.

<p><b>1</b></p> <p>x10 180°</p>	<p><b>2</b></p> <p>Room temperature</p>
<ul style="list-style-type: none"> <li>• After collecting at least 8 ml of blood or CSF, immediately mix the fluids by gently inverting the tube 10 times.</li> </ul>	<ul style="list-style-type: none"> <li>• After collection, store the Streck tube at room temperature.</li> <li>• Before shipment, place the Streck tube in the transparent protection tube and deliver the sample to ACT Genomics within 4 days.</li> </ul>

## SPECIMEN REQUIREMENTS

	ACTDrug <sup>+</sup> ACTOnco <sup>+</sup> ACTFusion <sup>™</sup>	ACTBRCA <sup>®</sup> / ACTBRCA <sup>®</sup> HRD	ACTMonitor <sup>®</sup>	ACTRisk <sup>™</sup>
Shipping Conditions	<ul style="list-style-type: none"> <li>Please send tumor tissue at room temperature</li> </ul>	<ul style="list-style-type: none"> <li>Please send tumor tissue at room temperature and liquid biopsy at room temperature within 4 days</li> <li>* If only germline mutation testing is required, you may provide blood sample only for ACTBRCA<sup>®</sup></li> </ul>	<ul style="list-style-type: none"> <li>Please provide liquid biopsy at room temperature within 4 days</li> </ul>	
Specimen Requirements	<ul style="list-style-type: none"> <li><b>Tumor Tissue</b></li> <li>FFPE(formalin-fixed paraffin-embedded)               <ul style="list-style-type: none"> <li>• 5-20 unstained sections (10 μm / slide) with a total surface area ≥ 125 mm<sup>2</sup></li> <li>• 1 H&amp;E stained slide (5 μm)</li> <li>* Cell block from pleural effusion, ascites or pericardial hydrops (≥1x10<sup>6</sup>cells)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Tumor Tissue + Liquid</b></li> <li>FFPE(formalin-fixed paraffin-embedded)               <ul style="list-style-type: none"> <li>• 5-20 unstained sections (10 μm / slide) with a total surface area ≥ 125 mm<sup>2</sup></li> <li>• 1 H&amp;E stained slide (5 μm)</li> <li>* Cell block from pleural effusion, ascites or pericardial hydrops (≥1x10<sup>6</sup>cells)</li> </ul> </li> <li><b>Blood</b> <ul style="list-style-type: none"> <li>• 8 ml blood in Streck tube</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Liquid (1 out of 2)</b></li> <li><b>Blood</b> <ul style="list-style-type: none"> <li>• 8 ml blood in Streck tube</li> </ul> </li> <li><b>CSF</b> <ul style="list-style-type: none"> <li>• 8 ml CSF in Streck tube</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Liquid</b></li> <li><b>Blood</b> <ul style="list-style-type: none"> <li>• 8 ml blood in Streck tube</li> </ul> </li> </ul>

## SHIPPING INSTRUCTIONS



### Step 1

#### Specimen Preparation

Make sure the specimen meets the requirements before sending the collection kit. For more information, please refer to the SPECIMEN PREPARATION and SPECIMEN REQUIREMENTS sections.



### Step 2

#### Complete Clinical Requisition Form

- Hard-copy of the requisition form is provided in the collection kit, and it's also downloadable from our website [www.actgenomics.com/en/downloads/](http://www.actgenomics.com/en/downloads/)
- Complete all the required information.
- Include the hard-copy clinical requisition form, signed ICF and previous molecular diagnostic records (optional) in the sample collection kit.



### Step 3

#### Final Check

- Please ensure all essential items are placed in the collection kit:
- Requisition form
  - Signed ICF
  - Specimens
  - H&E stained slide (not required for liquid biopsy)
  - Previous molecular diagnostic records (optional)



### Step 4

#### Pack and Call the Courier

- Use the sealing sticker to seal and pack the kit into the shipping bag.
- The "Exempt Human Specimen" sticker should be attached to the shipping bag.
- Notify your local courier or ACT Genomics representative to pick up the package.