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Version 2

# JAX-Sen: Collection and shipment of specimen for Visium Spatial Transcriptomics (vST/Visium ST) V.2

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Cellular Senescence Net...



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**We use this protocol and it's working**

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## Abstract

These samples are part of the JAX-Sen project in the SenNet Consortium. Here we provide details on specimen collection and shipment procedures for Visium Spatial Transcriptomics (vST/Visium ST).

## Troubleshooting



## Reagents and Materials:

- 1
  - 10% NBF fixative
  - Tweezers
  - Appropriate container for fixing

## Quality Key Points:

- 2
  - The tissue specimen should be always kept at 4 degrees Celsius and RNase-free.
  - It is crucial to not store the tissue specimen at RT to avoid any cell death, and tissue and/or RNA degradation.

## Procedure:

### 3 **Collection/Harvest:**

- 3.1 Animal was euthanized via cervical dislocation.
- 3.2 Animal was pinned to a necropsy tray which remained on wet ice throughout the harvest.
- 3.3 Animal was perfused with 20ml cold PBS.
- 3.4 Heart, pancreas, and kidney was collected and the specimen was fixed in 10-20 X volume of 10% NBF fixative for 24-48 hours at room temperature.
- 3.5 Samples were kept at 4 degrees Celsius until submission to histology for processing and embedding.