# CIP Fixed Tissues

The material listed here represents material fixed from control and drug-treated UM-HET3 mice. Each number represents the number of different individual mice for which tissues are now available. For example, the table of female mice for the C2009\_COD study shows that heart tissue is available from 22 ACA (acarbose-treated) mice, 20 control mice, and 22 mice treated with 17aE2 (17-alpha-estradiol.) In most cases we can provide slides of sections stained with hematoxylin and eosin. We also have unstained, paraffin-embedded blocks of fixed tissues from which new sections could be made, if needed, for special staining.

Studies of the “COD” (cause of death) series represent mice fixed at the time of their natural death, or mice euthanized when moribund. These mice are of variable ages; information about the age of the mice can be provided with the samples. Post-mortem interval can be as high as 24 hr for mice found dead but is frequently less.

Studies of the “XS” (cross-sectional) series come from animals euthanized at 22 months of age. Post-mortem interval is typically less than one hour.

## Inventory of Fixed Tissues (Slides & Blocks) from Female Mice of the C2009\_COD Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 22 | 22 | 0 | 21 | 22 | 22 | 21 |
| Cont\_09 | 23 | 23 | 0 | 23 | 20 | 20 | 20 |
| 17aE2 | 22 | 23 | 0 | 24 | 22 | 22 | 21 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 21 | 22 | 0 | 0 | 0 | 21 |
| Cont\_09 | 20 | 21 | 0 | 0 | 0 | 23 |
| 17aE2 | 21 | 24 | 0 | 0 | 0 | 24 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 21 | 21 | 21 | 0 | 0 | 22 |
| Cont\_09 | 23 | 22 | 21 | 0 | 0 | 23 |
| 17aE2 | 24 | 23 | 24 | 0 | 0 | 24 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 22 | 22 | 22 | 22 | 22 | 22 |
| Cont\_09 | 23 | 23 | 23 | 23 | 23 | 23 |
| 17aE2 | 24 | 24 | 24 | 24 | 24 | 23 |

## Inventory of Fixed Tissues (Slides & Blocks) from Male Mice of the C2009\_COD Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 24 | 24 | 0 | 23 | 20 | 20 | 23 |
| Cont\_09 | 24 | 24 | 0 | 23 | 18 | 19 | 22 |
| 17aE2 | 23 | 23 | 0 | 23 | 20 | 20 | 21 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 23 | 25 | 24 | 24 | 24 | 24 |
| Cont\_09 | 22 | 24 | 24 | 24 | 24 | 23 |
| 17aE2 | 21 | 22 | 22 | 22 | 22 | 22 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 0 | 0 | 24 | 0 | 0 | 25 |
| Cont\_09 | 0 | 0 | 24 | 0 | 0 | 22 |
| 17aE2 | 0 | 0 | 22 | 0 | 0 | 23 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 25 | 25 | 25 | 25 | 25 | 25 |
| Cont\_09 | 23 | 23 | 23 | 23 | 23 | 24 |
| 17aE2 | 23 | 23 | 23 | 23 | 23 | 22 |

## Inventory of Fixed Tissues (Slides & Blocks) from Female Mice of the Rapa\_COD Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 0 | 19 | 0 | 19 | 19 | 19 | 19 |
| Cont\_Y3 | 25 | 24 | 0 | 24 | 25 | 25 | 0 |
| Rapa\_Y2 | 0 | 28 | 0 | 26 | 28 | 28 | 28 |
| Rapa\_Y3 | 26 | 25 | 0 | 25 | 26 | 26 | 0 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 19 | 0 | 0 | 0 | 0 | 20 |
| Cont\_Y3 | 0 | 0 | 0 | 0 | 0 | 18 |
| Rapa\_Y2 | 28 | 0 | 0 | 0 | 0 | 28 |
| Rapa\_Y3 | 0 | 0 | 0 | 0 | 0 | 23 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 20 | 20 | 20 | 0 | 0 | 20 |
| Cont\_Y3 | 18 | 18 | 0 | 0 | 0 | 22 |
| Rapa\_Y2 | 28 | 28 | 26 | 0 | 0 | 28 |
| Rapa\_Y3 | 23 | 23 | 1 | 0 | 0 | 19 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 20 | 20 | 20 | 20 | 20 | 0 |
| Cont\_Y3 | 22 | 22 | 22 | 22 | 22 | 0 |
| Rapa\_Y2 | 28 | 28 | 28 | 28 | 28 | 0 |
| Rapa\_Y3 | 19 | 19 | 19 | 19 | 19 | 0 |

## Inventory of Fixed Tissues (Slides & Blocks) from Male Mice of the Rapa\_COD Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 0 | 26 | 0 | 25 | 21 | 21 | 26 |
| Cont\_Y3 | 27 | 27 | 0 | 27 | 27 | 27 | 0 |
| Rapa\_Y2 | 0 | 23 | 0 | 26 | 24 | 24 | 23 |
| Rapa\_Y3 | 27 | 28 | 0 | 28 | 28 | 28 | 0 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 26 | 0 | 24 | 24 | 24 | 24 |
| Cont\_Y3 | 0 | 0 | 25 | 25 | 25 | 25 |
| Rapa\_Y2 | 23 | 0 | 26 | 26 | 26 | 26 |
| Rapa\_Y3 | 0 | 0 | 27 | 27 | 27 | 27 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 0 | 0 | 21 | 0 | 0 | 26 |
| Cont\_Y3 | 0 | 0 | 0 | 0 | 0 | 21 |
| Rapa\_Y2 | 0 | 0 | 22 | 0 | 0 | 24 |
| Rapa\_Y3 | 0 | 0 | 0 | 0 | 0 | 18 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_Y2 | 26 | 26 | 26 | 26 | 26 | 0 |
| Cont\_Y3 | 21 | 21 | 21 | 21 | 21 | 0 |
| Rapa\_Y2 | 24 | 24 | 24 | 24 | 24 | 0 |
| Rapa\_Y3 | 18 | 18 | 18 | 18 | 18 | 0 |

## Inventory of Fixed Tissues (Slides & Blocks) from Female Mice of the Rapa\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 14 | 13 | 11 | 14 | 12 | 13 | 14 |
| Rapa\_hi | 15 | 15 | 10 | 15 | 15 | 15 | 15 |
| Rapa\_lo | 15 | 15 | 12 | 15 | 15 | 15 | 15 |
| Rapa\_mid | 14 | 13 | 12 | 14 | 14 | 14 | 14 |
| Young | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 14 | 13 | 0 | 0 | 0 | 5 |
| Rapa\_hi | 15 | 15 | 0 | 0 | 0 | 2 |
| Rapa\_lo | 12 | 13 | 0 | 0 | 0 | 5 |
| Rapa\_mid | 13 | 11 | 0 | 0 | 0 | 5 |
| Young | 15 | 15 | 0 | 0 | 0 | 6 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 14 | 13 | 0 | 0 | 0 | 0 |
| Rapa\_hi | 14 | 14 | 0 | 0 | 0 | 0 |
| Rapa\_lo | 14 | 14 | 0 | 0 | 0 | 0 |
| Rapa\_mid | 14 | 14 | 0 | 0 | 0 | 0 |
| Young | 14 | 14 | 0 | 0 | 0 | 0 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 0 | 0 | 0 | 0 | 14 | 0 |
| Rapa\_hi | 0 | 0 | 0 | 0 | 15 | 0 |
| Rapa\_lo | 0 | 0 | 0 | 0 | 15 | 0 |
| Rapa\_mid | 0 | 0 | 0 | 0 | 14 | 0 |
| Young | 0 | 0 | 0 | 0 | 15 | 0 |

## Inventory of Fixed Tissues (Slides & Blocks) from Male Mice of the Rapa\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 16 | 16 | 13 | 16 | 16 | 16 | 16 |
| Rapa\_hi | 9 | 9 | 6 | 9 | 9 | 9 | 9 |
| Rapa\_lo | 15 | 15 | 9 | 15 | 14 | 14 | 15 |
| Rapa\_mid | 12 | 11 | 11 | 12 | 11 | 11 | 11 |
| Young | 15 | 15 | 14 | 13 | 15 | 15 | 15 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 15 | 16 | 14 | 10 | 10 | 4 |
| Rapa\_hi | 8 | 9 | 9 | 8 | 8 | 2 |
| Rapa\_lo | 14 | 15 | 14 | 12 | 14 | 1 |
| Rapa\_mid | 11 | 11 | 12 | 10 | 9 | 3 |
| Young | 11 | 15 | 11 | 11 | 11 | 9 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rapa\_hi | 0 | 0 | 0 | 0 | 0 | 0 |
| Rapa\_lo | 0 | 0 | 0 | 0 | 0 | 0 |
| Rapa\_mid | 0 | 0 | 0 | 0 | 0 | 0 |
| Young | 0 | 0 | 0 | 0 | 0 | 0 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_20 | 0 | 0 | 0 | 0 | 16 | 0 |
| Rapa\_hi | 0 | 0 | 0 | 0 | 9 | 0 |
| Rapa\_lo | 0 | 0 | 0 | 0 | 15 | 0 |
| Rapa\_mid | 0 | 0 | 0 | 0 | 12 | 0 |
| Young | 0 | 0 | 0 | 0 | 15 | 0 |

## Inventory of Fixed Tissues (Slides & Blocks) from Female Mice of the NDGA\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 14 | 14 | 4 | 14 | 14 | 14 | 12 |
| NDGA\_hi | 43 | 43 | 35 | 43 | 43 | 43 | 43 |
| Young | 5 | 5 | 0 | 5 | 5 | 5 | 5 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 10 | 14 | 0 | 0 | 0 | 9 |
| NDGA\_hi | 39 | 41 | 0 | 0 | 0 | 31 |
| Young | 5 | 5 | 0 | 0 | 0 | 5 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 14 | 10 | 14 | 14 | 14 | 14 |
| NDGA\_hi | 41 | 37 | 43 | 43 | 43 | 42 |
| Young | 5 | 5 | 5 | 0 | 0 | 4 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| Cont\_XS | 14 | 14 | 14 | 14 | 12 | 14 |
| NDGA\_hi | 42 | 43 | 42 | 42 | 40 | 43 |
| Young | 4 | 4 | 4 | 4 | 4 | 5 |

## Inventory of Fixed Tissues (Slides & Blocks) from Male Mice of the NDGA\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Lung** | **Heart** | **Muscle** | **Kidney** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 15 | 15 | 10 | 15 | 15 | 15 | 12 |
| NDGA\_hi | 40 | 38 | 28 | 40 | 40 | 40 | 37 |
| Young | 5 | 5 | 0 | 5 | 5 | 5 | 5 |

| **Rx** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** | **Prostate** | **Bladder** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 12 | 14 | 15 | 15 | 15 | 12 |
| NDGA\_hi | 32 | 36 | 40 | 40 | 38 | 29 |
| Young | 5 | 5 | 5 | 5 | 5 | 5 |

| **Rx** | **Uterus** | **Ovary** | **Skin** | **Fat** | **Mammary** | **Stomach** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 0 | 0 | 15 | 15 | 15 | 15 |
| NDGA\_hi | 0 | 0 | 40 | 40 | 39 | 35 |
| Young | 0 | 0 | 5 | 0 | 0 | 5 |

| **Rx** | **Duodenum** | **Jejunum** | **Cecum** | **Colon** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- | --- |
| Cont\_XS | 15 | 15 | 15 | 15 | 13 | 15 |
| NDGA\_hi | 35 | 35 | 35 | 35 | 35 | 40 |
| Young | 5 | 5 | 5 | 5 | 5 | 5 |

## Inventory of Fixed Tissues (Slides & Blocks) from Female Mice of the ACA\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Mesenteric Lymph Node** | **Head** | **Lung** | **Heart** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| Cont | 29 | 30 | 30 | 30 | 30 | 30 | 30 |

| **Rx** | **Muscle** | **Kidney** | **Pituitary** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 78 | 78 | 78 | 78 | 0 | 0 | 0 |
| Cont | 30 | 30 | 30 | 30 | 0 | 0 | 0 |

| **Rx** | **Prostate** | **Seminal vesicle** | **Urethra** | **Bladder** | **Uterus** | **Ovary** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 0 | 0 | 0 | 78 | 78 | 78 |
| Cont | 0 | 0 | 0 | 30 | 30 | 30 |

| **Rx** | **Skin** | **Fat** | **Mammary** | **Stomach** | **Cecum** | **Colon** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 78 | 78 | 78 | 78 | 78 | 78 |
| Cont | 30 | 30 | 30 | 30 | 30 | 30 |

| **Rx** | **Duodenum** | **Jejunum** | **Ileum** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- |
| ACA | 78 | 78 | 78 | 78 | 78 |
| Cont | 30 | 30 | 30 | 30 | 30 |

## Inventory of Fixed Tissues (Slides & Blocks) from Male Mice of the ACA\_XS Study

| **Rx** | **Liver** | **Spleen** | **Thymus** | **Mesenteric Lymph Node** | **Head** | **Lung** | **Heart** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| Cont | 21 | 21 | 21 | 21 | 21 | 21 | 21 |

| **Rx** | **Muscle** | **Kidney** | **Pituitary** | **Adrenal** | **Thyroid** | **Testis** | **Epididymis** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ACA | 71 | 71 | 71 | 71 | 0 | 71 | 71 |
| Cont | 21 | 21 | 21 | 21 | 0 | 21 | 21 |

| **Rx** | **Prostate** | **Seminal vesicle** | **Urethra** | **Bladder** | **Uterus** | **Ovary** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 71 | 71 | 71 | 71 | 0 | 0 |
| Cont | 21 | 21 | 21 | 21 | 0 | 0 |

| **Rx** | **Skin** | **Fat** | **Mammary** | **Stomach** | **Cecum** | **Colon** |
| --- | --- | --- | --- | --- | --- | --- |
| ACA | 71 | 71 | 71 | 71 | 71 | 71 |
| Cont | 21 | 21 | 21 | 21 | 21 | 21 |

| **Rx** | **Duodenum** | **Jejunum** | **Ileum** | **Pancreas** | **Brain** |
| --- | --- | --- | --- | --- | --- |
| ACA | 71 | 71 | 71 | 71 | 71 |
| Cont | 21 | 21 | 21 | 21 | 21 |