

# DSS Histology DSS\_DSS\_001

## Purpose

Dextran Sodium Sulphate (DSS) Histology

## Experimental Design

Mutant mice and wild-type controls (2 female and 2 males/group)

## Procedure

Mutant mice and wild-type controls (2 female and 2 males/group) receive 1.5% dextran sodium sulphate (DSS) in drinking water for 7 days.

Weights are recorded daily and any mice that have lost greater than 20% or that exhibit clinical signs are sacrificed.

At day 10 mice are sacrificed and samples from the medial and distal gut are collected for histological analysis.

A pathology scoring system is used to assess the effect of the DSS in a blinded manner.

## Parameters and Metadata

### Section 1 Epithelium DSS\_DSS\_001\_001 | v1.0

simpleParameter

Req. Analysis: false                      Req. Upload: true                      Is Annotated: false

Description: section\_1\_epithelium

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### Section 1 Lamina Propria DSS\_DSS\_002\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_1\_lamina\_propria

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## Section 1 Area DSS\_DSS\_003\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_1\_area

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## Section 1 Severe Markers DSS\_DSS\_004\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_1\_severe\_markers

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## Section 2 Epithelium DSS\_DSS\_005\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_2\_epithelium

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## Section 2 Lamina Propria DSS\_DSS\_006\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_2\_lamina\_propria

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## Section 2 Area DSS\_DSS\_007\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_2\_area

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## Section 2 Severe Markers DSS\_DSS\_008\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** section\_2\_severe\_markers

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**Total section 1 score** DSS\_DSS\_009\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: total\_section\_1\_score

Derivation: archived('Sum of Section 1 scores')

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**Total section 2 score** DSS\_DSS\_010\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: total\_section\_2\_score

Derivation: archived('Sum of Section 2 scores')

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**Average histology score** DSS\_DSS\_011\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: true

Description: average\_histology\_score

Derivation: archived('Average of total section 1 and total section 2 scores')

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## Comment DSS\_DSS\_012\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: comment

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## One Section Only DSS\_DSS\_013\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: one\_section\_only

Options: No, Yes,

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## Pre-Day 10 Death DSS\_DSS\_014\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Description: pre\_day\_10\_death

Options: No, Yes,

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**DSS concentration** DSS\_DSS\_015\_001 | v1.0

procedureMetadata

Req. Analysis: true                      Req. Upload: true                      Is Annotated: false

Unit Measured: w/v

Description: dss\_concentration

Options: 1.5 % (w/v), 2.0 % (w/v),

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**DSS source** DSS\_DSS\_016\_001 | v1.0

procedureMetadata

Req. Analysis: true                      Req. Upload: true                      Is Annotated: false

Description: dss\_source

Options: Affymetrix (Cat. #14489), MP Biomedicals (Cat. #9011-18-1),

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**Microscope** DSS\_DSS\_017\_001 | v1.0

procedureMetadata

Req. Analysis: false                      Req. Upload: true                      Is Annotated: false

Description: microscope

Options: Zeiss Axioplan, Leica SP2, Leica SP5, Nikon wide-field inverted TE2000U, Leica DFC300FX (12730046),

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## Images DSS\_DSS\_018\_001 | v1.0

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Increments:** Minimum 1

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## DSS weight loss curve DSS\_DSS\_019\_001 | v1.0

seriesParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** % weight difference

**Increments:** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

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