

Ulcerative Colitis

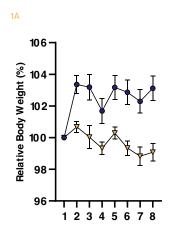


DSS Induced Mouse Model

The DSS model is a chemically-induced injury model triggered by continuous delivery of Dextran Sodium Sulphate (DSS) in the drinking water. DSS disturbs the intestinal epithelium, making this model optimal for simulating alterations in the epithelial barrier present in ulcerative colitis or inflammatory bowel disease and responds to compounds targeting barrier function.

Figure 1 BALB/c mice were given 4 % DSS in the drinking water for 8 days.

A reduction in body weight (A) is seen, as well as an increase in Disease Activity Index (DAI, B), a measurement of faecal consistency and blood in stool.



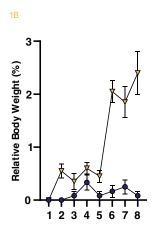
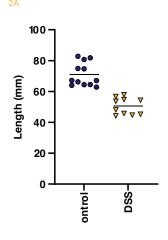
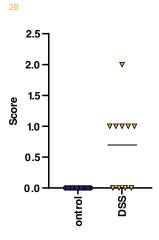


Figure 2 BALB/c mice were given 4 % DSS in the drinking water for 8 days.

A significant shortening of colon is seen (A), as well as an increase in colon score (B), a measurement of irritation in the colon.





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Discovery

Important note

Representative data are shown throughout this document. However, biological variability might cause deviations from shown data.

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