**Dextran Sulfate Sodium for Colitis**

*Catalog # 4015*

*For Research Use Only - Not Human or Therapeutic Use*

**DESCRIPTION:** Dextran Sulfate Sodium (DSS) for Colitis

**APPLICATIONS:** Use to induce experimental colitis in mice (1-4).

**QUANTITY:** 20 g

**FORM:** White Powder

**AVERAGE MOLECULAR WEIGHT:** ~40,000

**IN VIVO PROTOCOL:** Feed mice DSS (3.5-5%) solution in water, ad libitum for 5-7 days. Assessment of mice include:

1. Body weight
2. Stool consistency (wet, dry, bloody)
3. Para-cellular intestinal permeability with fluorescent-labeled dextrans (Catalog # 4009, 4013, 4014).
4. Hemoglobin levels, a marker of anemia due to blood loss (Catalog # 6701).
5. (Optional) Trans-cellular intestinal permeability with D-xylose Assay Kit (Catalog # 6601).

**STORAGE TEMPERATURE:** Room Temperature

**STABILITY:** 1 year

**REFERENCES:**

4. P. R. Carter et al., Iron status, anemia, and plasma erythropoietin levels in acute and chronic mouse models of colitis. Inflamm Bowel Dis 19, 1260-1265 (2013).