

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:	1. R. Boismenu, Y. Chen, Insights from mouse models of colitis. J Leukoc Biol 67, 267-278 (2000). 2. M. Perse, A. Cerar, Dextran sodium sulphate colitis mouse model: traps and tricks. J Biomed Biotechnol 2012, 718617 (2012). 3. Y. Yan et al., Temporal and spatial analysis of clinical and molecular parameters in dextran sodium sulfate induced colitis. PLoS One 4, e6073 (2009). 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).