DSS For Colitis in Experimental Animals

Inflammatory bowel disease is a multifactorial disease with unknown etiology and is comprised of two major subtypes: ulcerative colitis (UC) and Crohn's disease (CD). UC mostly affects the large intestine or colon, while CD may affect any part of the gastrointestinal tract. To study UC, dextran sulfate sodium (DSS) is frequently used to induce colitis in experimental animals as acute, chronic, or relapsing colitis can easily be induced by changing the concentration or administration period of DSS. Chondrex, Inc. provides DSS for inducing colitis (40 kDa) and FITC-Dextrans to evaluate intestinal permeability in experimental animals.

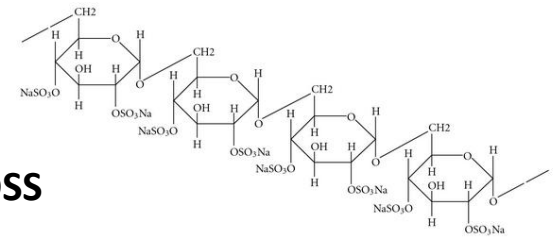
DSS Treatment Protocols For Inducing Colitis in Experimental Animals

Animal	Strain	Dose	Period (days)	Animal	Strain	Dose	Period (days)
Mice	BALB/c	1%	10	Rat	ACI	5 and 10%	14 or 102
	BALB/c	2.5 – 5%	-		Sprague-Dawley	0.5-5%	7
	BALB/c	5%	7		Sprague-Dawley	5%	6
	BALB/c	15%	10		Sprague-Dawley	5%	7
	C3H	3.5%	5		Sprague-Dawley	5%	9
	C57BL/6	1.5%	7		Wistar	2%	14-180
	C57BL/6	2.5%	5		Wistar	2-4%	7
	C57BL/6	3%	5		Wistar	2.5%	7
	C57BL/6	3%	6		Wistar	3-5%	10
	C57BL/6	3%	7	Guinea Pig		3%	4
	C57BL/6	3.5%	5	Hamster		1%	100
	C57BL/6	3.5%	7			2.5%	6
	C57BL/6	5%	3-14			3-5%	6
	CBA/J	5%	7	Pig	Yorkshire	1.25 g/kg Body Weight	5
	CD-1	5%	7-35				
	Swiss-Webster		7				

Dextran Sulfate Sodium for Colitis

Product	Quantity	Catalog #
Dextran Sulfate Sodium 40kDa, 10 g	10 g	CDB001-10g
Dextran Sulfate Sodium for Colitis	20 g	4015
Dextran Sulfate Sodium 40kDa, 50 g	50 g	CDB001-50g
Dextran Sulfate Sodium 40kDa, 100 g	100 g	CDB001-100g
Dextran Sulfate Sodium 40kDa, 500 g	500 g	CDB001-500g

DSS



Dextrans and Polysaccharides

Chondrex, Inc. provides various sizes and quantities of unique dextran derivatives, types of fluorescent conjugates, differently charged molecules, and other polysaccharides as manufactured by TdB Labs. For more product information or assistance in finding products for your studies, please visit www.chondrex.com or contact support@chondrex.com.

Fluorescent Products (4 – 2000kDa, 1 mg – 5 g)
Antonia Red™-dextran
Antonia Red™-lysine-dextran
ATTO488™-dextrans
ATTO488™-lysine-dextran
ATTO647n™-lysine-dextran
FITC-CM-dextran
FITC-CM-polysucrose
FITC-DEAE-dextran
FITC-DEAE-polysucrose
FITC-dextran
FITC-dextran sulfate
FITC-hydroxyethyl starch
FITC-inulin
FITC-lysine-dextran
FITC-polysucrose
FITC-Q-dextran
FITC-Trehalose
Fluorescent hyaluronic acid
TRITC-dextran
TRITC hyaluronic acid
TRITC-lysine-dextran
TRITC-polysucrose

Dextran Sulfates (10 g or 100 g)
Dextran sulfate (Low sulfate: 5 – 500kDa)
Dextran sulfate (High sulfate: 5 – 500kDa)

Other Derivatives and Polysaccharides (4 – 2000kDa, 10 mg – 100 g)
CM-dextran
CM-Polysucrose
DEAE-dextran
DEAE-Polysucrose
Lysine-dextran
Phenyldextran
Polysucrose
Q-dextran

Blue Dextrans (5 – 2000kDa, 1 g, 5 g, or 10 g)
Blue Dextrans
Cibacron Blue 3G-A

pH Probes

Eosin Y-Derivatives

Stand-Alone Dyes
Cibacron Blue 3G-A
FITC
TRITC

Manufactured by TdB Labs. Specialists in Polysaccharides