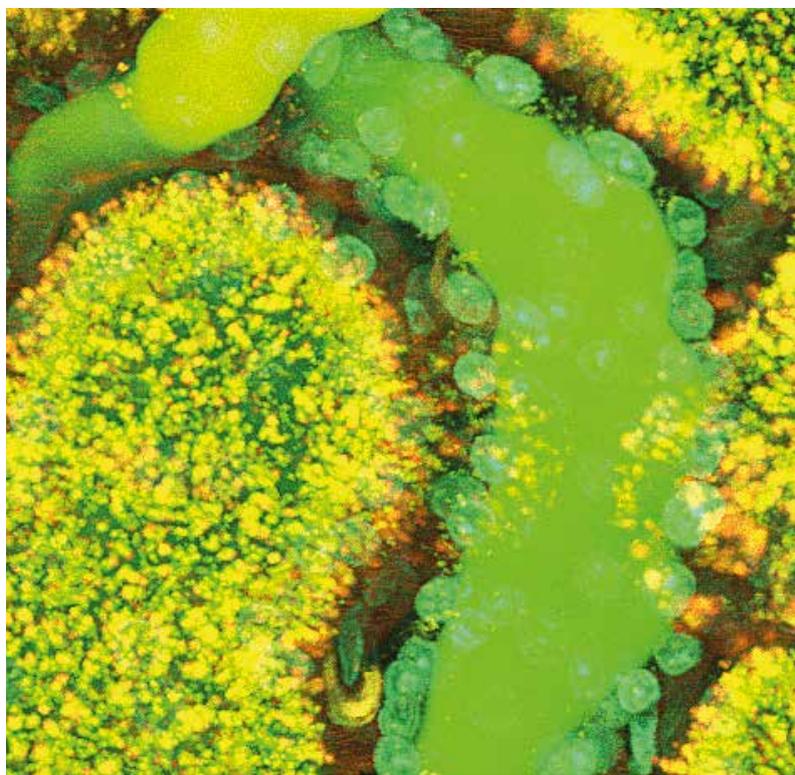
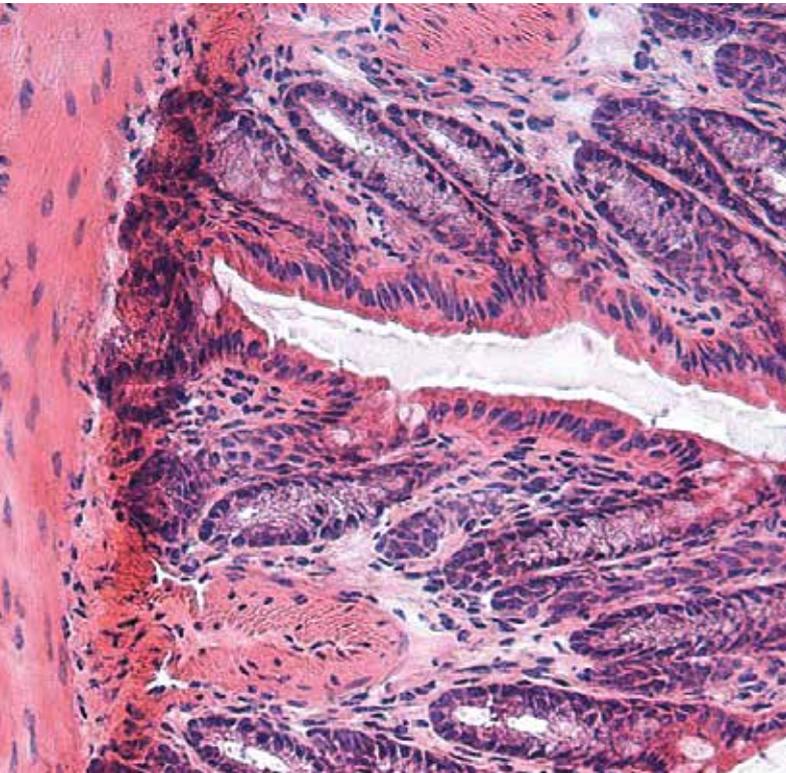


Product catalogue





Looking for an expert on Dextran Derivatives

TdB Labs was founded in 1991 by Dr. Tony de Belder.

The company is based on more than 50 years' experience of working with polysaccharides and in particular dextran. We produce a range of polysaccharide derivatives with different molecular weights. Most of our products are labelled with fluorochromophores, in certain cases together with cationic or anionic substituents. Our broad product range finds many applications within Life Science research and diagnostics.

TdB Labs achieved ISO 9001 certification in 2015.

Today we offer you:

- Premium quality dextran derivatives - using TdB's products with narrow fractions will give you reliable and reproducible results
- Fluorescent dextran derivatives for high quality permeability and organelle studies
- Standard products as well as customised products for specific needs
- Immediate and expert scientific support
- Specialist analytical services for polysaccharide derivatives
- Molecular weight determination using advanced GPC technology, may also be run according to GMP requirements

Table of Contents

Fluorescent derivatives

Antonia Red™ products

Antonia Red™-dextran.....	4
Antonia Red™-lysine-dextran.....	4

ATTO488™ -dextrans

ATTO488™-dextran.....	5
ATTO647N™-lysine-dextran.....	5

FITC-derivatives

FITC-dextran.....	6
FITC -lysine-dextran.....	7
FITC-CM-dextran.....	7
FITC-CM-polysucrose.....	8
FITC-DEAE-dextran.....	8
FITC-DEAE-polysucrose.....	9
FITC-dextran sulfate.....	9
FITC-hydroxyethyl starch.....	10
FITC-inulin.....	10
FITC-polysucrose.....	11
FITC-Q-dextran.....	11
FITC-trehalose.....	12

TRITC-derivatives

TRITC-dextran.....	13
Tetramethylrhodamine hyaluronic acid.....	14
TRITC-lysine-dextran.....	14
TRITC-polysucrose.....	15

Dextran sulfates

High sulfate dextran.....	16
Low sulfate dextran.....	17

Dextran sulfate sodium (DSS) for colitis

Dextran sulfate sodium (DSS) for colitis.....	17
---	----

Blue dextrans

Blue dextran.....	18
-------------------	----

Other derivatives and polysaccharides

CM-dextran.....	19
CM-polysucrose.....	19
DEAE-dextran.....	20
DEAE-polysucrose.....	20
Lysine-dextran.....	21
Phenyl-dextran.....	21
Q-dextran.....	22
Polysucrose.....	22

Stand-alone dyes

Cibacron Blue 3G-A.....	23
FITC.....	23

CAS number: not available

Antonia Red™-dextran is supplied as a purple powder that is readily soluble in water or electrolyte solutions. They are primarily used for studying permeability and transport in cells and tissues, cell lineage tracing and vasculature studies.

Spectral data: Excitation is best performed at 583 nm and fluorescence measured at 602 nm.



Catalog no	Name	MW (Da)	Packsize
ARD4	Antonia Red™-dextran 4	4000	10mg
ARD4	Antonia Red™-dextran 4	4000	50mg
ARD20	Antonia Red™-dextran 20	20000	10mg
ARD20	Antonia Red™-dextran 20	20000	50mg
ARD40	Antonia Red™-dextran 40	40000	10mg
ARD40	Antonia Red™-dextran 40	40000	50mg
ARD150	Antonia Red™-dextran 150	150000	10mg
ARD150	Antonia Red™-dextran 150	150000	50mg

Antonia Red™-lysine-dextran

CAS number: not available

Antonia Red™-lysine-dextran is supplied as a purple powder that is readily soluble in water or electrolyte solutions. Antonia Red™-lysine-dextran is fixable via lysine when treated with formaldehyde or glutaraldehyde.

They are primarily used for studying permeability and transport in cells and tissues, cell lineage tracing and vasculature studies.

Spectral data: Excitation is best performed at 583 nm and fluorescence measured at 602 nm.

Catalog no	Name	MW (Da)	Packsize
ARLD4	Antonia Red™-lysine-dextran 4	4000	10mg
ARLD4	Antonia Red™-lysine-dextran 4	4000	50mg
ARLD20	Antonia Red™-lysine-dextran 20	10000	10mg
ARLD20	Antonia Red™-lysine-dextran 20	10000	50mg
ARLD70	Antonia Red™-lysine-dextran 40	70000	10mg
ARLD70	Antonia Red™-lysine-dextran 40	70000	50mg
ARLD150	Antonia Red™-lysine-dextran 150	150000	10mg
ARLD150	Antonia Red™-Lysine dextran 150	150000	50mg

CAS number: not available

ATTO-dextran is supplied as an orange powder which is readily soluble in water. Atto488-dextran is primarily used for studying permeability and transport in cells and tissues.

Spectral data: Excitation is best performed at 502 nm and fluorescence measured at 524 nm.



Catalog no	Name	MW (Da)	Packsize
AT488D4	ATTO488-dextran 4	4000	5mg
AT488LD10	ATTO488-lysine-dextran 10	10000	5mg

ATTO647N™-lysine-dextran

CAS number: not available

ATTO647N-lysine-dextran 70 is a blue powder that is readily soluble in water or electrolyte solutions. ATTO647N-lysine-dextran 70 is fixable via lysine when treated with formaldehyde or glutaraldehyde and is highly suitable for single-molecule detection applications and high-resolution microscopy.

Spectral data: Excitation is best performed at 646 nm and fluorescence measured at 664 nm.



Catalog no	Name	MW (Da)	Packsize
AT647NLD70	ATTO647N-lysine-dextran	70000	5mg

CAS number: 60842-46-8

FITC-dextran is supplied as a yellow/orange powder which dissolves freely in water or salt solutions giving a yellow solution. FITC-dextran are primarily used for studying permeability and transport in cells and tissues.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 518 nm.



Catalog no	Name	MW (Da)	Packsize
FD4	FITC-dextran 4	4000	100mg
FD4	FITC-dextran 4	4000	1g
FD4	FITC-dextran 4	4000	5g
FD10	FITC-dextran 10	10000	100mg
FD10	FITC-dextran 10	10000	1g
FD10	FITC-dextran 10	10000	5g
FD20	FITC-dextran 20	20000	100mg
FD20	FITC-dextran 20	20000	1g
FD20	FITC-dextran 20	20000	5g
FD40	FITC-dextran 40	40000	100mg
FD40	FITC-dextran 40	40000	1g
FD40	FITC-dextran 40	40000	5g
FD70	FITC-dextran 70	70000	100mg
FD70	FITC-dextran 70	70000	1g
FD70	FITC-dextran 70	70000	5g
FD110	FITC-dextran 110	110000	100mg
FD110	FITC-dextran 110	110000	1g
FD110	FITC-dextran 110	110000	5g
FD150	FITC-dextran 150	150000	100mg
FD150	FITC-dextran 150	150000	1g
FD150	FITC-dextran 150	150000	5g
FD500	FITC-dextran 500	500000	100mg
FD500	FITC-dextran 500	500000	1g
FD500	FITC-dextran 500	500000	5g
FD2000	FITC-dextran 2000	2000000	100mg
FD2000	FITC-dextran 2000	2000000	1g
FD2000	FITC-dextran 2000	2000000	5g

CAS number: not available

FITC-lysine-dextran is supplied as a yellow to orange powder which is readily soluble in water. FITC-lysine-dextran fixes well in cells and tissue when treated with formaldehyde or glutaraldehyde and is primarily used for studying permeability and transport in cells, vessels and tissues.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 520 nm.

Catalog no	Name	MW (Da)	Packsize
FLD4	FITC-lysine-dextran 4	4000	10mg
FLD4	FITC-lysine-dextran 4	4000	50mg
FLD10	FITC-lysine-dextran 10	10000	10mg
FLD10	FITC-lysine-dextran 10	10000	50mg
FLD70	FITC-lysine-dextran 70	70000	10mg
FLD70	FITC-lysine-dextran 70	70000	50mg
FLD500	FITC-lysine-dextran 500	500000	10mg
FLD500	FITC-Lysine dextran 500	500000	50mg

FITC-CM-dextran

FITC-carboxymethyl-dextran

CAS number: not available

FITC-CM-dextran are supplied as a yellow powder which is freely soluble in water or electrolyte solutions. The carboxyl groups will impart an overall negative charge to the molecule, which may be valuable in gaining information on the permeability characteristics of cell membranes and tissues. An anionic fluorescent dextran with carboxyl groups imparting an overall negative charge to the molecule, valuable for gaining information on the permeability characteristics of cell membranes and tissues. Mechanistic studies of drug delivery using FITC-CM-dextran have also been reported.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 517 nm.

Catalog no	Name	MW (Da)	Packsize
FCMD4	FITC-CM-dextran 4	4000	100mg
FCMD4	FITC-CM-dextran 4	4000	1g
FCMD20	FITC-CM-dextran 20	20000	100mg
FCMD20	FITC-CM-dextran 20	20000	1g
FCMD40	FITC-CM-dextran 40	40000	100mg
FCMD40	FITC-CM-dextran 40	40000	1g
FCMD70	FITC-CM-dextran 70	70000	100mg
FCMD70	FITC-CM-dextran 70	70000	1g
FCMD150	FITC-CM-dextran 150	150000	100mg
FCMD150	FITC-CM-dextran 150	150000	1g

CAS number: not available

FITC-CM-polysucrose is supplied as a yellow powder. The product can be used to elucidate the permselectivity properties of the glomerular membrane.

Spectral data: Excitation is best performed at 495 nm and fluorescence measured at 517 nm.

Catalog no	Name	MW (Da)	Packsize
FCMP70	FITC-CM-polysucrose 70	70000	100mg
FCMP70	FITC-CM-polysucrose 70	70000	1g
FCMP400	FITC-CM-polysucrose 400	400000	100mg
FCMP400	FITC-CM-polysucrose 400	400000	1g

FITC-DEAE-dextran

ITC-diethylaminoethyl-dextran

CAS number: not available

FITC-DEAE-dextran is supplied as a yellow powder which is freely soluble in water or electrolyte solutions. FITC-DEAE-dextran is a cationic fluorescent dextran that has been used to study e.g. delivery of positively charged molecules into nucleated cells via the perforin pore.

Spectral data: Excitation is best performed at 495 nm and fluorescence measured at 520 nm.

Catalog no	Name	MW (Da)	Packsize
FDD4	FITC-DEAE-dextran 4	4000	100mg
FDD4	FITC-DEAE-dextran 4	4000	1g
FDD10	FITC-DEAE-dextran 10	10000	100mg
FDD10	FITC-DEAE-dextran 10	10000	1g
FDD20	FITC-DEAE-dextran 20	20000	100mg
FDD20	FITC-DEAE-dextran 20	20000	1g
FDD40	FITC-DEAE-dextran 40	40000	100mg
FDD40	FITC-DEAE-dextran 40	40000	1g
FDD70	FITC-DEAE-dextran 70	70000	100mg
FDD70	FITC-DEAE-dextran 70	70000	1g
FDD150	FITC-DEAE-dextran 150	150000	100mg
FDD150	FITC-DEAE-dextran 150	150000	1g

CAS number: not available

FITC-DEAE-polysucrose is supplied as a yellow powder which is freely soluble in water or buffer solutions. The product is used for studying the permeability of polycationic polymers relative to neutral polymers in organs, tissues and cells.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 523 nm.

Catalog no	Name	MW (Da)	Packsize
FDP70	FITC-DEAE-polysucrose 70	70000	100mg
FDP70	FITC-DEAE-polysucrose 70	70000	1g
FDP400	FITC-DEAE-polysucrose 400	400000	100mg
FDP400	FITC-DEAE-polysucrose 400	400000	1g

FITC-dextran sulfate

Fluorescein isothiocyanate-dextran sulfate

CAS number: not available

FITC-dextran sulfate is supplied as a yellow powder which dissolves readily in water or buffer solutions.

Spectral data: Excitation is best performed at 493 nm.

Catalog no	Name	MW (Da)	Packsize
FDSS4	FITC-dextran sulfate 4	4000	100mg
FDSS4	FITC-dextran sulfate 4	4000	1g
FDSS10	FITC-dextran sulfate 10	10000	100mg
FDSS10	FITC-dextran sulfate 10	10000	1g
FDSS40	FITC-dextran sulfate 40	40000	100mg
FDSS40	FITC-dextran sulfate 40	40000	1g
FDSS500	FITC-dextran sulfate 500	500000	100mg
FDSS500	FITC-dextran sulfate 500	500000	1g

Hydroxyethyl starch (HES) is a non-ionic starch derivative that can be of varying molecular weight. HES is also known as HAES, Tetrastarch (Voluven™), pentastarch (Pentastan™) and Hetastarch (Hespan™). HES may be used to treat hypovolemia or sudden blood loss. Starch is a naturally abundant (1-4 β)-Glucose polymer that is insoluble in water. However, when functionalised with hydroxyethyl groups, the starch chain becomes water-soluble and has become a useful tool in life sciences.

FITC-HES (Fluorescein isothiocyanate hydroxyethyl starch) (FHES) is manufactured by reacting FITC with HES. The product is carefully purified from reagents, solvents and by-products. It is supplied as an orange to dark orange powder. The mean average molecular weight is approx. 165 kDa.

Catalog no	Name	MW (Da)	Packsize
FHES	FITC-hydroxyethyl starch	165000	1g

FITC-inulin

Fluorescein isothiocyanate-inulin

CAS number: not available

FITC-inulin is supplied as a yellow powder which dissolves in water or salt solutions giving a yellow solution. FITC-inulin has been shown to be ideal for studying glomerular filtration rate in experimental animals as it is stable during filtration and renal passage and does not bind to plasma proteins or penetrate the renal cells.

Spectral data: Excitation is best performed at 490 nm and fluorescence measured at 520 nm.

Catalog no	Name	MW (Da)	Packsize
FI	FITC-inulin	4500	100mg
FI	FITC-inulin	4500	1g
FI	FITC-inulin	4500	5g

CAS number: not available

FITC-polysucrose is supplied as a yellow powder which dissolves freely in water or salt solutions giving a yellow solution. FITC-polysucrose is primarily used for studying permeability and transport in cells and vessels and tissues.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 523 nm.

Catalog no	Name	MW (Da)	Packsize
FP20	FITC-polysucrose 20	20000	100mg
FP20	FITC-polysucrose 20	20000	1g
FP40	FITC-polysucrose 40	40000	100mg
FP40	FITC-polysucrose 40	40000	1g
FP50	FITC-polysucrose 50	50000	100mg
FP50	FITC-polysucrose 50	50000	1g
FP70	FITC-polysucrose 70	70000	100mg
FP70	FITC-polysucrose 70	70000	1g
FP100	FITC-polysucrose 100	100000	100mg
FP100	FITC-polysucrose 100	100000	1g
FP170	FITC-polysucrose 170	170000	100mg
FP170	FITC-polysucrose 170	170000	1g
FP400	FITC-polysucrose 400	400000	100mg
FP400	FITC-polysucrose 400	400000	1g

FITC-Q-dextran

Fluorescein isothiocyanate-Q-dextran sulfate

CAS number: not available

FITC Q-dextran is supplied as a yellow to orange powder which is readily soluble in water or electrolyte solutions.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 520 nm.

Catalog no	Name	MW (Da)	Packsize
FQD10	FITC-Q-dextran 10	10000	100mg
FQD10	FITC-Q-dextran 10	10000	1g

CAS number: not available

A fluorescent derivative of trehalose. Supplied as an orange to dark orange powder which is readily soluble in water. FITC-trehalose can be used to selectively label and image Mycobacteria tuberculosis in vivo, as the molecule is incorporated into the cell envelope of the bacteria.

Spectral data: Excitation is best performed at 493 nm and fluorescence measured at 520 nm.

Catalog no	Name	MW (Da)	Packsize
FTRE	FITC-trehalose	700000	1mg

CAS number: not available

TRITC-dextran is supplied as a red powder which is readily soluble in water and electrolytes. TRITC-dextran is primarily used for studying permeability and transport in cells, vessels and tissues.

Spectral data: Excitation is best performed at 550 nm and fluorescence measured at 572 nm.



Catalog no	Name	MW (Da)	Packsize
TD4	TRITC-dextran 4	4000	100mg
TD4	TRITC-dextran 4	4000	1g
TD20	TRITC-dextran 20	20000	100mg
TD20	TRITC-dextran 20	20000	1g
TD40	TRITC-dextran 40	40000	100mg
TD40	TRITC-dextran 40	40000	1g
TD70	TRITC-dextran 70	70000	100mg
TD70	TRITC-dextran 70	70000	1g
TD150	TRITC-dextran 150	150000	100mg
TD150	TRITC-dextran 150	150000	1g
TD500	TRITC-dextran 500	500000	100mg
TD500	TRITC-dextran 500	500000	1g
TD2000	TRITC-dextran 2000	2000000	100mg
TD2000	TRITC-dextran 2000	2000000	1g

CAS number: not available

TRITC-lysine-dextran is supplied as a red powder which is readily soluble in water. TRITC-lysine-dextran is fixable via lysine when treated with formaldehyde or glutaraldehyde and is primarily used for studying permeability and transport in cells, vessels and tissues.

Spectral data: Excitation is best performed at 550 nm and fluorescence measured at 572 nm.

Catalog no	Name	MW (Da)	Packsize
TLD4	TRITC-lysine-dextran 4	4000	10mg
TLD4	TRITC-lysine-dextran 4	4000	50mg
TLD10	TRITC-lysine-dextran 10	10000	10mg
TLD10	TRITC-lysine-dextran 10	10000	50mg
TLD70	TRITC-lysine-dextran 70	70000	10mg
TLD70	TRITC-lysine-dextran 70	70000	50mg
TLD500	TRITC-lysine-dextran 500	500000	10mg
TLD500	TRITC-lysine-dextran 500	500000	50mg

Tetramethylrhodamine Hyaluronic Acid

CAS number: not available

THA-Se is supplied a red solid which is soluble in water. Tetramethyl-rhodamine hyaluronic acid (THA-Se) has similar applications to those described for fluorescein hyaluronic acid (see FHA-Se) but has certain advantages. As mentioned earlier, the fluorescence of tetramethyl-rhodamine is less dependent on pH than FITC-labels. Also, the longer emission wavelength avoids interference from background images in experimental environments. Invasive growth into brain tissue employing TR-HA and 2-photon imaging has been described.

Spectral data: Excitation is best performed at 552 nm and fluorescence measured at 576 nm.



Catalog no	Name	MW (Da)	Packsize
THA-Se	T-hyaluronic acid	5000000	100mg

CAS number: not available

TRITC-polysucrose is supplied as a red powder which is readily soluble in water. TRITC-polysucrose has similar applications to those described for FITC-polysucrose but has certain advantages. It is less dependent on pH than FITC-labels. Also, the longer emission wavelength avoids background interference in experimental environments.

Spectral data: Excitation is best performed at 550 nm and fluorescence measured at 578 nm.

Catalog no	Name	MW (Da)	Packsize
TP20	TRITC-polysucrose 20	20000	100mg
TP20	TRITC-polysucrose 20	20000	1g
TP40	TRITC-polysucrose 40	40000	100mg
TP40	TRITC-polysucrose 40	40000	1g
TP70	TRITC-polysucrose 70	70000	100mg
TP70	TRITC-polysucrose 70	70000	1g
TP400	TRITC-polysucrose 400	400000	100mg
TP400	TRITC-polysucrose 400	400000	1g

CAS number: 9011-18-1

Dextran sulfate is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution.

Dextran sulfates may be produced with a wide range of molecular weights and degrees of sulfation. Each of the products within this range is supplied with sulphur contents of 16-20%. Dextran sulfates act as potent polyanions and offer many interesting pharmacological and biophysical properties. Some examples of the areas of application are given below

- Cosmetics formulations
- Stabilisation of sensitive biopolymers during processing or formulation
- Enzyme activation or inhibition
- Anti-viral preparations
- Acceleration of hybridisation



Catalog no	Name	MW (Da)	Packsize
DB004	Dextran sulfate 5	5000	10g
DB004	Dextran sulfate 5	5000	100g
DB008	Dextran sulfate 10	10000	10g
DB008	Dextran sulfate 10	10000	100g
DB012	Dextran sulfate 20	20000	10g
DB012	Dextran sulfate 20	20000	100g
DB016	Dextran sulfate 100	100000	10g
DB016	Dextran sulfate 100	100000	100g
DB050	Dextran sulfate 500	500000	10g
DB050	Dextran sulfate 500	500000	100g
DB054	Dextran sulfate 2000	2000000	10g
DB054	Dextran sulfate 2000	2000000	100g

CAS number: 9011-18-1

Dextran sulfate is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution. Dextran sulfates may be produced with a wide range of molecular weights and degrees of sulfation. Each of the products within this range is supplied with sulfur contents of 9-13%. Dextran sulfates act as potent polyanions and offer many interesting pharmacological and biophysical properties. Some examples of the areas of application are given below:

- Cosmetics formulations
- Stabilisation of sensitive biopolymers during processing or formulation
- Enzyme activation or inhibition
- Anti-viral preparations
- Acceleration of hybridisation
- Conjugate in immunoassay

Catalog no	Name	MW (Da)	Packsize
DB005	Dextran sulfate 5	5000	10g
DB005	Dextran sulfate 5	5000	100g
DB009	Dextran sulfate 10	10000	10g
DB009	Dextran sulfate 10	10000	100g
DB013	Dextran sulfate 20	20000	10g
DB013	Dextran sulfate 20	20000	100g
DB003	Dextran sulfate 40	40000	10g
DB003	Dextran sulfate 40	40000	100g
DB015	Dextran sulfate 100	100000	10g
DB015	Dextran sulfate 100	100000	100g
DB051	Dextran sulfate 500	500000	10g
DB051	Dextran sulfate 500	500000	100g

Dextran sulfate sodium (DSS) for colitis

Dextran, hydrogen sulfate sodium salt

CAS number: 9011-18-1

DSS is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution. Dextran sulfate sodium (DSS) with a mol. wt. of approx. 40000 when administered orally in the drinking water has been found to induce colitis in experimental animals. Concentrations from 2 to 5% have been used and symptoms develop within one week.

Catalog no	Name	MW (Da)	Packsize
DB001	Dextran sulfate sodium	40000	50g
DB001	Dextran sulfate sodium	40000	100g
DB001	Dextran sulfate sodium	40000	500g

CAS number: 87915-38-6

Blue dextran 2000 has long been used as a void volume marker in chromatography and Blue-dextran gel conjugates for chromatography have been available for many years (e.g. see GE Healthcare Life Sciences; Size Exclusion Chromatography; Principles and Methods). Other important areas of research, where blue-dextran have been used, are:

- Studies on lysosomal activity
- Endothelial cell permeability
- Bovine sperm permeability
- Cornea permeability
- Flow studies in lung
- Cerebro-permeability
- Binding of proteins and enzymes to blue dextran.

Spectral data: The blue chromophore has an absorbance maximum at 621.5 nm

Catalog no	Name	MW (Da)	Packsize
BD5	Blue dextran 5	5000	1g
BD5	Blue dextran 5	5000	10g
BD10	Blue dextran 10	10000	1g
BD10	Blue dextran 10	10000	10g
BD20	Blue dextran 20	20000	1g
BD20	Blue dextran 20	20000	10g
BD40	Blue dextran 40	40000	1g
BD40	Blue dextran 40	40000	10g
BD70	Blue dextran 70	70000	1g
BD70	Blue dextran 70	70000	10g
BD110	Blue dextran 110	110000	1g
BD110	Blue dextran 110	110000	10g
BD500	Blue dextran 500	500000	1g
BD500	Blue dextran 500	500000	10g
BD2000	Blue dextran 2000	2000000	1g
BD2000	Blue dextran 2000	2000000	10g



CAS number: 339422-83-8

CM-dextran is supplied as a white, odourless and tasteless powder which is freely soluble in water and electrolyte solutions. The carboxymethyl content corresponds to about 1 CM group for every 5 glucose units. Carboxyl content is 3 - 7%. Potential areas of application are:

- Reagents for binding cations (inorganic and organic) via carboxyl reactions
- Cosmetics
- Non-toxic ingredients in formulations
- Stabilisers for sensitive biopolymers



Catalog no	Name	MW (Da)	Packsize
CMD4	CM-dextran 4	4000	10g
CMD4	CM-dextran 4	4000	100g
CMD10	CM-dextran 10	10000	10g
CMD10	CM-dextran 10	10000	100g
CMD20	CM-dextran 20	20000	10g
CMD20	CM-dextran 20	20000	100g
CMD40	CM-dextran 40	40000	10g
CMD40	CM-dextran 40	40000	100g
CMD70	CM-dextran 70	70000	10g
CMD70	CM-dextran 70	70000	100g
CMD150	CM-dextran 150	150000	10g
CMD150	CM-dextran 150	150000	100g
CMD500	CM-dextran 500	500000	10g
CMD500	CM-dextran 500	500000	100g

CM-polysucrose

Carboxymethyl-polysucrose

CAS number: not available

Carboxymethyl-polysucroses (CM-Polysucrose) are white, odourless and tasteless powders which are freely soluble in water or electrolyte solutions.

Catalog no	Name	MW (Da)	Packsize
CMP70	CM-polysucrose 70	70000	1g

CAS number: 9015-73-0

DEAE-dextran is supplied as a white hygroscopic powder which is readily soluble in water and salt solutions. The nitrogen content is between 2-5%. DEAE-dextran is used in various areas:

- As adjuvant for vaccines
- In transfection techniques and viral infectivity
- For stabilisation of proteins (enzymes)

Catalog no	Name	MW (Da)	Packsize
DD4	DEAE-dextran 4	4000	10g
DD4	DEAE-dextran 4	4000	100g
DD10	DEAE-dextran 10	10000	10g
DD10	DEAE-dextran 10	10000	100g
DD20	DEAE-dextran 20	20000	10g
DD20	DEAE-dextran 20	20000	100g
DD40	DEAE-dextran 40	40000	10g
DD40	DEAE-dextran 40	40000	100g
DD70	DEAE-dextran 70	70000	10g
DD70	DEAE-dextran 70	70000	100g
DD150	DEAE-dextran 150	150000	10g
DD150	DEAE-dextran 150	150000	100g
DD500	DEAE-dextran 500	500000	10g
DD500	DEAE-dextran 500	500000	100g
DD2000	DEAE-dextran 2000	2000000	10g
DD2000	DEAE-dextran 2000	2000000	100g

DEAE-polysucrose

2-Diethylaminoethyl-polysucrose

CAS number: not available

DEAE-polysucrose is supplied as a white, odourless and tasteless powder which is freely soluble in water or electrolyte solutions.

Catalog no	Name	MW (Da)	Packsize
DP70	DEAE-polysucrose 70	70000	1g

CAS number: not available

Lysine-dextran is supplied as a white powder which is readily soluble in water or electrolyte solutions. Lysine-dextran is primarily used as a tool for bioconjugation and fixation in living systems.

Catalog no	Name	MW (Da)	Packsize
LD4	Lysine-dextran 4	4000	10mg
LD4	Lysine-dextran 4	4000	100mg
LD4	Lysine-dextran 4	4000	1g
LD10	Lysine-dextran 10	10000	10mg
LD10	Lysine-dextran 10	10000	100mg
LD10	Lysine-dextran 10	10000	1g
LD70	Lysine-dextran 70	70000	10mg
LD70	Lysine-dextran 70	70000	100mg
LD70	Lysine-dextran 70	70000	1g
LD500	Lysine-dextran 500	500000	10mg
LD500	Lysine-dextran 500	500000	100mg
LD500	Lysine-dextran 500	500000	1g

Phenyl-dextran

1-phenoxy-2-hydroxy-propyl-dextran

CAS number: not available

Phenyl-dextran is supplied as a white coarse powder which is moderately soluble in water. A number of applications of phenyl-dextran have appeared in patents. The essential property of phenyl-dextran is its potential for coating plastic and related surfaces to impart a more hydrophilic character.

This property has proved of value in many diagnostic devices.

Catalog no	Name	MW (Da)	Packsize
PhD5	Phenyl-dextran 5	5000	10g
PhD5	Phenyl-dextran 5	5000	100g
PhD40	Phenyl-dextran 40	40000	10g
PhD40	Phenyl-dextran 40	40000	100g
PhD150	Phenyl-dextran 150	150000	10g
PhD150	Phenyl-dextran 150	150000	100g

CAS number: not available

Q-dextran is supplied as a coarse white powder and is readily soluble in water. The nitrogen content is approx. 2% (by elemental analysis) which corresponds to approximately one quaternary ammonium group for every four glucose units. The nitrogen content is 1.5 - 2.5%. Unlike DEAE-dextran, Q-dextran will be charged over a wide range of pH (pH 4-10). They also have a much stronger net charge and thus give enhanced responses in systems where this effect is important. Polycationic products exhibit a wide variety of effects in cellular systems and are of interest as adjuvants in vaccine.

Catalog no	Name	MW (Da)	Packsize
QD4	Q-dextran 4	4000	10g
QD4	Q-dextran 4	4000	100g
QD10	Q-dextran 10	10000	10g
QD10	Q-dextran 10	10000	100g
QD20	Q-dextran 20	20000	10g
QD20	Q-dextran 20	20000	100g
QD70	Q-dextran 70	70000	10g
QD70	Q-dextran 70	70000	100g
QD150	Q-dextran 150	150000	10g
QD150	Q-dextran 150	150000	100g

Polysucrose

Dextran, epichlorohydrin cross-linked polymer

CAS number: 26873-85-8

Polysucrose is supplied as a white powder which is freely soluble in water and electrolyte solutions. Many investigators have considered polysucrose to be a suitable molecule for studying glomerular physiology since it is biocompatible and not readily degraded in the blood stream. Further it has conformational properties more like proteins. Polysucrose (and particularly FITC- and TRITC-labelled polysucrose) have been used extensively in studies of vascular permeability, in particular glomerular permselectivity and has been reviewed. Polysucroses have been used for many decades for such purposes as gradient centrifugation of cells and organelles, nucleic acid hybridization, as a hapten carrier, concentration dialysis, to support growth of cell lines and phase partitioning.

Catalog no	Name	MW (Da)	Packsize
P20	Polysucrose 20	20000	1g
P40	Polysucrose 40	40000	1g
P50	Polysucrose 50	50000	1g
P1000	Polysucrose 1000	1000000	1g

CAS number: 3326-32-7

FITC (isomer I) is a derivative of fluorescein. FITC exhibits an excitation maximum at $\beta = 495$ nm and emission maximum at approximately $\beta = 519$ nm. FITC can be easily used as labelling agent of various substrates such as proteins or polysaccharides. Isothiocyanate easily react with nucleophiles such as amines under mild conditions. FITC can also be used in flow cytometry.

Catalog no	Name	MW (Da)	Packsize
FITC	FITC (isomer I)	n/a	100mg
FITC	FITC (isomer I)	n/a	250mg
FITC	FITC (isomer I)	n/a	1g

Cibacron Blue 3G-A

CAS number: 84166-13-2

Cibacron Blue 3G-A is an anionic anthraquinone dye. It is commonly used as a ligand in affinity chromatography for the purification of proteins, enzymes and biopolymers.

Catalog no	Name	MW (Da)	Packsize
CBLUE	Cibacron Blue 3G-A	n/a	1g
CBLUE	Cibacron Blue 3G-A	n/a	5g



TdB Labs AB

Virdings Allé 22 • SE 754 50 • Uppsala SWEDEN
Phone: +46 73 0608200 • Email: order@tdblabs.se
www.tdblabs.se

