

# PRODUCT CATALOGUE



Phenyl-dextran

Dextran sulphates

Dextran sulfate sodium (DSS)

BLUE dextran

TRITC-labelled products

FITC-labelled products

## *TdB*

CONSULTANCY | PRODUCTS | ANALYSIS

## Looking for an expert on Dextran Derivatives

TdB Consultancy AB 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. The majority of our products are labelled with fluoro-chromophores, in certain cases together with cationic or anionic substituents. Our broad product range finds many applications within Life Science research and diagnostics.

TdB Consultancy AB 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 customized 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 content:

FITC-dextran_____	4
FITC-CM-dextran_____	5
FITC-CM-polysucrose_____	5
FITC-DEAE-dextran_____	6
FITC-DEAE-polysucrose_____	6
FITC-dextran sulphate_____	7
FITC-inulin_____	7
FITC-polysucrose_____	8
FHA-Se_____	8
FITC-Trehalose_____	9
ATTO488-dextran_____	9
TRITC-dextran_____	10
THA-Se_____	10
TRITC-polysucrose_____	11
TRITC-CM-polysucrose_____	12
Blue dextran_____	13
Dextran sulphate sodium (DSS)_____	14
Dextran sulphate – high sulphated_____	14
Dextran sulphate – low sulphated_____	15
Phenyl-dextran_____	15
CM-dextran_____	16
CM-polysucrose_____	16
DEAE-dextran_____	17
DEAE-polysucrose_____	17
Polysucrose_____	18
Q-dextran_____	18

# FITC-dextran

Fluorescein isothiocyanate-dextran

**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 is 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	Mol.wt (Mw)	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

# FITC-CM-dextran

FITC-carboxymethyl-dextran

**CAS number:** not available

The FITC-CM-dextran is 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	Mol.wt (Mw)	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

# FITC-CM-Polysucrose

FITC-carboxymethyl polysucrose

**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	Mol.wt (Mw)	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

FITC-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	Mol.wt (Mw)	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

# FITC-DEAE-polysucrose

FITC-Diethylaminoethyl-polysucrose

**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	Mol.wt (Mw)	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 sulphate

Fluorescein isothiocyanate-dextran sulphate

**CAS number:** not available

FITC-dextran sulphate 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	Mol.wt (Mw)	Packsize
FDSS10	FITC-dextran sulphate 10	10000	100mg
FDSS10	FITC-dextran sulphate 10	10000	1g
FDSS40	FITC-dextran sulphate 40	40000	100mg
FDSS40	FITC-dextran sulphate 40	40000	1g
FDSS500	FITC-dextran sulphate 500	500000	100mg
FDSS500	FITC-dextran sulphate 500	500000	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	Mol.wt (Mw)	Packsize
FI	FITC-inulin	4500	100mg
FI	FITC-inulin	4500	1g
FI	FITC-inulin	4500	5g

# FITC-polysucrose

Fluorescein isothiocyanate -polysucrose

**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	Mol.wt (Mw)	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
FP70	FITC-polysucrose 70	70000	100mg
FP70	FITC-polysucrose 70	70000	1g
FP400	FITC-polysucrose 400	400000	100mg
FP400	FITC-polysucrose 400	400000	1g

# Fluorescein hyaluronic acid (FHA-Se)

5-aminofluorescein-labelled hyaluronate

**CAS number:** not available

FHA-Se is supplied as a yellow fibrous product that is soluble in water and electrolytes. Fluorescein-labelled hyaluronic acid may be used as a probe for following the fate of hyaluronan in vitro.

**Spectral data:** Excitation is best performed at 495 nm and fluorescence measured at 524 nm.

Catalog no	Name	Mol.wt (Mw)	Packsize
FHA-Se	Fluorescein hyaluronic acid	1000000	100mg

# FITC-Trehalose

Fluorescein isothiocyanate trehalose

**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	Mol.wt (Mw)	Packsize
FTRE	FITC-Trehalose	700000	1mg

# ATTO488-dextran

Dextran, 3-amino-9-[2'-[[4''-(ethylamino)-4''-oxo-butyl]-N-methylcarbamoyl]phenyl]-6-azanylidene-xanthene-4,5-disulfonic acid, salt

**CAS number:** not available

ATTO-dextran is supplied as an orange powder which is readily soluble in water. Atto488-dextran are 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	Mol.wt (Mw)	Packsize
AT488D4	ATTO-dextran 4	4000	100mg
AT488D4	ATTO-dextran 4	4000	1g

# TRITC-dextran

Tetramethyl-rhodamine isothiocyanate-dextran

**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	Mol.wt (Mw)	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

# T-hyaluronic acid (THA-Se)

Tetramethyl-rhodamine hyaluronic acid

**CAS number:** not available

THA-Se is supplied as 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	Mol.wt (Mw)	Packsize
THA-Se	T-hyaluronic acid	5000000	100mg

# TRITC-Polysucrose

Tetramethyl-rhodamine isothiocyanate-polysucrose

**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	Mol.wt (Mw)	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

# TRITC-CM-Polysucrose

Tetramethylrhodamine isothiocyanate-carboxymethyl-Ficoll

**TdB**  
CONSULTANCY

**CAS number:** not available

TRITC-CM-polysucrose is supplied as a red powder which is readily soluble in water.

**Spectral data:** Excitation is best performed at 552 nm and fluorescence measured at 578 nm.

Catalog no	Name	Mol.wt (Mw)	Packsize
TCMP20	TRITC-CM-polysucrose 20	20000	100mg
TCMP20	TRITC-CM-polysucrose 20	20000	1g
TCMP40	TRITC-CM-polysucrose 40	40000	100mg
TCMP40	TRITC-CM-polysucrose 40	40000	1g
TCMP70	TRITC-CM-polysucrose 70	70000	100mg
TCMP70	TRITC-CM-polysucrose 70	70000	1g
TCMP400	TRITC-CM-polysucrose 400	400000	100mg
TCMP400	TRITC-CM-polysucrose 400	400000	1g

# Blue dextran

**TdB**  
CONSULTANCY

**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	Mol.wt (Mw)	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:** 9011-18-1

DSS is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution. Dextran sulphate 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	Mol.wt (Mw)	Packsize
DB001	Dextran sulphate sodium	40000	50g
DB001	Dextran sulphate sodium	40000	100g
DB001	Dextran sulphate sodium	40000	500g

## Dextran sulphate – high sulfated

Dextran, hydrogen sulfate sodium salt

**CAS number:** 9011-18-1

DS is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution. Dextran sulphates may be produced with a wide range of molecular weights and degrees of sulphation. Each of the products within this range is supplied with sulphur contents of 16-20%. Dextran sulphates 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 hydridisation

Catalog no	Name	Mol.wt (Mw)	Packsize
DB004	Dextran sulphate 5	5000	10g
DB004	Dextran sulphate 5	5000	100g
DB008	Dextran sulphate 10	10000	10g
DB008	Dextran sulphate 10	10000	100g
DB012	Dextran sulphate 20	20000	10g
DB012	Dextran sulphate 20	20000	100g
DB016	Dextran sulphate 100	100000	10g
DB016	Dextran sulphate 100	100000	100g
DB050	Dextran sulphate 500	500000	10g
DB050	Dextran sulphate 500	500000	100g

**CAS number:** 9011-18-1

DS is supplied as a white powder which dissolves freely in water or salt solutions giving a clear solution. Dextran sulphates may be produced with a wide range of molecular weights and degrees of sulphation. Each of the products within this range is supplied with sulphur contents of 9-13%. Dextran sulphates 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 hydridisation

Catalog no	Name	Mol.wt (Mw)	Packsize
DB005	Dextran sulphate 5	5000	10g
DB005	Dextran sulphate 5	5000	100g
DB009	Dextran sulphate 10	10000	10g
DB009	Dextran sulphate 10	10000	100g
DB013	Dextran sulphate 20	20000	10g
DB013	Dextran sulphate 20	20000	100g
DB015	Dextran sulphate 100	100000	10g
DB015	Dextran sulphate 100	100000	100g
DB051	Dextran sulphate 500	500000	10g
DB051	Dextran sulphate 500	500000	100g

## 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	Mol.wt (Mw)	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



# CM-dextran

Carboxymethyl-dextran

**CAS number:** 39422-83-8

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:

- as reagents for binding cations(inorganic and organic)via carboxyl reactions.
- as cosmetics
- as non-toxic ingredients in formulations
- as stabilisers for sensitive biopolymers

Catalog no	Name	Mol.wt (Mw)	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 70

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	Mol.wt (Mw)	Packsize
CMP70	CM-polysucrose 70	70000	1g

# DEAE-dextran

2-Diethylaminoethyl-dextran hydrochloride

**CAS number:** 9015-73-0

DEAE-dextran is supplied as a white hygroscopic powder which are 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	Mol.wt (Mw)	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 70

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	Mol.wt (Mw)	Packsize
DP70	DEAE-polysucrose 70	70000	1g

**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	Mol.wt (Mw)	Packsize
P20	Polysucrose 20	20000	1g
P40	Polysucrose 40	40000	1g
P1000	Polysucrose 1000	1000000	1g

## Q-dextran

O-Trimethylammonium-glycidyl-dextran

**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	Mol.wt (Mw)	Packsize
QD4	Q-dextran 4	4000	10g
QD4	Q-dextran 4	4000	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

**TdB Consultancy AB**

Virdings Allé 22 • SE 754 50 Uppsala • SWEDEN

Phone: +46 18 7001204 Fax: +46 18 7001206

Email: [order@tdbcons.se](mailto:order@tdbcons.se)

[www.tdbcons.se](http://www.tdbcons.se)

---