

pK Chemicals A/S manufactures and supplies high quality, technical grade or GMP-manufactured derivatives of Dextran. PKC's standard products are DEAE-Dextran, Dextran Sulphate and Carboxymethyl Dextran, while simultaneously manufacturing custom specific Dextran Derivatives.

Our standard product are available in pack sizes of 100g, 500g, 5 kg and 40 kg.

For more information about our products, services and prices, please visit our website www.pkcas.dk or contact us at info@pkcas.dk or speak to us directly by telephoning us at +45 56 63 03 00 Mon-Fri 9 a.m. – 4 p.m. (GMT +1hr).

PKC's standard products can be ordered directly from our website: www.pkcas.dk. Orders can also be placed via fax +45 56 65 43 29 or telephone +45 56 63 03 00 Mon-Fri 9 a.m. – 4 p.m. (GMT +1hr).

Order and delivery confirmation will be sent on the next working day. After shipment, an invoice will be sent to the billing address. Delivery will normally be within 14 business days. Goods to North America are normally sent via well known transport companies such as DHL, FedEx or UPS.

Dextran Sulphate (DS)

Dextran Sulphate is a polyanionic derivative of Dextran. It is supplied as a white, sodium salt powder, stabilized by a small amount of phosphate. Dextran Sulphate is freely soluble in water and salt solutions forming a stable, clear solution which may be sterilized by sterile filtration. The powder is stable for more than 6 years if stored at room temperature in air-tight containers.

PKC manufactures Dextran Sulphates of several molecular weights. PKC's standard Dextran Sulphates are:

	Mean Mw
DS10	9 000-16 000
DS40	appr. 40 000
DS500+	>1 000 000

The high purity and reproducible quality of Dextran Sulphate commend it for many applications in molecular biology and the health-care sector. The following properties and applications are well documented:

- Accelerates hybridisation rates
- Anti-coagulant properties
- Anti-viral properties
- Interaction with lipoproteins, enzymes and cells
- Cosmetic applications
- Stabilizer of proteins

Diethylaminoethyl-Dextran (DEAE-Dextran)

DEAE-Dextran is a polycationic derivative of Dextran. The mean molecular weight exceeds 1000k. It is a white, hygroscopic powder, freely soluble in water and salt solutions which, under the right conditions, can be sterilized by autoclaving or by sterile filtration. DEAE-Dextran maintains its quality and efficacy for more than 3 years when stored at room temperature in air-tight packaging. The product is supplied as the hydrochloride. DEAE-Dextran offers a wide range of chemical and biological properties. The following properties are well documented:

- Adjuvant in vaccines
- Agent for transfection
- Stabilizer of proteins
- Agent for reduction of cholesterol count
- Enhancer of viral infectivity

Carboxymethyl Dextran (CM-Dextran)

CM-Dextran is a polyanionic derivative of Dextran. It is supplied as the sodium salt which is a white powder freely soluble in water and salt solutions. Since the carboxymethyl group is attached by a stable O-ether linkage, no stabilizer needs to be added and the solution may be stabilized by autoclaving. Levels of substitution up to 15% may be achieved.

The following CM-Dextrans can be supplied:

	Mean Mw	CM content
CM Dextran 5	3 000-7 500	3-7 %
CM Dextran 10	10 000-20 000	5-7 %

As with other polyanionic derivatives, CM-Dextrans offer a wide range of chemical and biological properties:

- Stabilizer of proteins and other sensitive biopolymers
- As carrier for biosensor surfaces
- Preparation of low-toxic derivatives with drugs and other pharmacologically active substances
- A stable non-toxic, non-immunogenic additive