

## Low Molecular Weight Heparin

Produced by partial depolymerisation with Heparinase I

<b>Catalogue no:</b>	LMW Heparin
<b>Structure:</b>	Major disaccharide unit: IdoA(2S)-GlcNS(6S)
<b>Molecular weight:</b>	Polydisperse; mol wt range 1800 – 7500 daltons (see attached profile)
<b>Appearance:</b>	Pale white powder
<b>Origin:</b>	Porcine Mucosa
<b>Toxicity and Hazards:</b>	We are not aware of any toxicity associated with this product. In common with good laboratory practice the material should only be handled by qualified personnel trained in laboratory procedures and familiar with potential hazards. These products are not intended for human consumption, drug use or any form of human experimentation.
<b>Applications:</b>	Biological, biochemical and biophysical laboratory research
<b>Storage:</b>	We do recommend that all products are stored frozen at –15 to –20 °C upon receipt and that they are allowed to warm to room temperature before opening. If made up into solutions avoid repeated freeze-thawing. Stock solutions should be prepared in appropriate aliquots and stored frozen.
<b>Warranties:</b>	Iduron warrants that its products shall conform to the description of such products as provided in Iduron's catalogue. This warranty is exclusive, and seller makes no other warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See 'terms and conditions' for further warranty information.

Profile:

Elution of Low Molecular weight Heparin (Upper Panel) and Polymeric Heparin (Lower panel) on Superdex S-75 Gel Filtration

(arrows show elution positions of a heparin hexasaccharide dp6 (mol wt 1800) and a heparin dp24 (mol wt 7200) main peak in heparin polymer (23 mins) corresponds to a mol wt of approx 14Kda)

