

Specification

**Ficoll® 400 BioChemica**

**A2252**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A2252
<b>Product Name:</b>	Ficoll® 400 BioChemica
<b>Short Description:</b>	additional product description: non-ionic, synthetic polymere of sucrose
<b>Headline Comment:</b>	® registered trademark Pharmacia Biotech
<b>Specifications:</b>	Solubility (10 %; H <sub>2</sub> O): clear, colorless Heavy metals (as Pb): max. 0.001 % Loss on drying: max. 3 %
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>M:</b>	approx. 400000 g/mol
<b>CAS:</b>	26873-85-8
<b>EINECS:</b>	200-334-9
<b>CS:</b>	39072020
<b>Comment</b>	<p>Ficoll® 400 is a component of Denhardt's solution (see A2248 and ref. 1, 2 [Page 9.47-9.55]) and several gel loading buffers (2 [Page 6.12]). The addition of Ficoll® 400, sucrose or glycerol increase the density of the loading buffers and facilitate the loading of the sample onto the gel. <b>Composition</b> of loading buffers\:</p> <p>I. 0.25 % Bromophenol blue, 0.25 % xylene cyanol FF, 15 % Ficoll® 400 in water (store at room temperature)(according to ref. 2) II. <i>alkaline loading buffer</i> 300 mM NaOH, 6 mM EDTA, 18 % Ficoll® 400, 0.15 % Bromocresol green, 0.25 % xylene cyanol FF in water (store at +4°C) <b>Have a look at our 9 different loading buffers.</b></p>
<b>Bibliography</b>	<p>(1)Denhardt, D.T. (1966) <i>Biochem. Biophys. Res. Com.</i> <b>23</b>, 641-646A membrane-filter technique for the detection of complementary DNA. (2)Sambrook, J., Fritsch, E.F. &amp; Maniatis, T. (1989) <i>Molecular Cloning\</i>: A Laboratory Manual, 2nd Edition; p. 9.47-9.55, 6.12. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.</p>

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