







Publication Part No. LC5699.PPS Publication No. MAN0007918 Rev B.0

	<b>Package contents</b>	<b>Catalog Numbers</b> LC5699	<b>Size:</b> 250 µL
	<b>Storage conditions</b>	<ul style="list-style-type: none"> <li>Store at -30°C to -10°C.</li> <li>Avoid repeated freezing and thawing.</li> </ul>	
	<b>Required materials</b>	<ul style="list-style-type: none"> <li>Polyacrylamide gel(s)</li> <li>Electrophoresis apparatus for protein analysis</li> </ul>	
	<b>Selection guide</b>	<p><a href="#">Pre-Stained Protein Standards</a> Go online to view related products.</p>	

	<b>Product description</b>	<ul style="list-style-type: none"> <li>HiMark™ Pre-Stained Protein Standard allows you to accurately determine molecular weight of high molecular weight proteins and evaluate western transfer efficiency.</li> <li>This standard consists of 9 pre-stained protein bands ranging in molecular weight from 30–460 kDa.</li> <li>Storage buffer: Tris-HCl, Formamide, SDS, Phenol Red.</li> </ul>
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	<b>Important guidelines</b>	<ul style="list-style-type: none"> <li>Use with NuPAGE® Tris-Acetate Gel and Tris-Acetate buffer system to obtain the best results with high molecular weight proteins. Click here to view our online <a href="#">Protein Gel Selection Guide</a>.</li> <li>This standard can also be used with NuPAGE® 4-12% Bis-Tris Gels with NuPAGE® MOPS Running Buffer and 4% Tris-Glycine Gel.</li> <li>DO NOT apply heat or add a reducing agent. This standard is supplied ready-to-use.</li> <li>To obtain good resolution of all 9 bands of the protein standard, run the gel until the phenol red tracking dye reaches the bottom of the gel.</li> </ul>
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	<b>Online resources</b>	<p>Visit our <a href="#">product page</a> for additional information and protocols. For support, visit <a href="http://www.lifetechnologies.com/support">www.lifetechnologies.com/support</a>.</p>
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For Research Use Only. Not for use in diagnostic procedures.

18 March 2014



## Protocol

1. Thaw the standard at room temperature.
2. Vortex gently to ensure the solution is homogeneous.
3. Load the standard on the gel (see table for recommended volumes).

Gel Type	Application	
	Electrophoresis	Blotting
Mini gel (1.0-mm thick)	10 µL	10 µL
Mini gel (1.5-mm thick)	12 µL	12 µL

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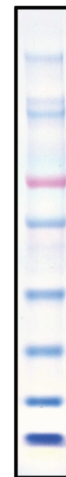
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kDa

460  
268  
238  
  
171  
117  
  
71  
  
55  
  
41  
31



10 µL of HiMark™ Pre-Stained Protein Standard on a NuPAGE® 3–8% Tris-Acetate Gel with Tris-Acetate SDS Running Buffer.



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