

Publication Part No. LC5600.PPS Publication No. MAN0007827 Rev B.0

 Package contents	Catalog Numbers	Size:
	LC5602 LC5603	250 µL 50 µL

 Storage conditions	<ul style="list-style-type: none"> Store at -30°C to -10°C. Avoid repeated freezing and thawing. 	
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 Required materials	<ul style="list-style-type: none"> Polyacrylamide gel(s) Electrophoresis apparatus for protein analysis 	
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 Selection guide	Protein Standards and Ladders	
	Go online to view related products.	

 Product description	<ul style="list-style-type: none"> MagicMark™ XP Western Protein Standard allows protein standard bands to be developed concurrently with sample bands during the normal course of western detection by using standard proteins that possess an IgG binding site. 	
	<ul style="list-style-type: none"> This standard consists of 9 recombinant proteins ranging in molecular weight from 20–220 kDa. Storage buffer: 125 mM Tris-HCl (pH 6.8), 10 mM DTT, 17.4% glycerol, 3% SDS, and 0.025% bromophenol blue. 	

 Important guidelines	<ul style="list-style-type: none"> Use with SDS-PAGE gels. Click here to view our online Protein Gel Selection Guide. Visualize on membranes using alkaline phosphatase or peroxidase conjugated antibody and chromogenic, chemiluminescent, or fluorescent substrates. Visualize on gels using SimplyBlue™ SafeStain or other Coomassie stains. DO NOT apply heat or add a reducing agent. This standard is supplied ready-to-use. 	
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 Online resources	Visit our product page for additional information and protocols. For support, visit www.lifetechnologies.com/support .	
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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. (Optional) Mix with a pre-stained standard as follows:
 - 5 µL MagicMark™ XP Standard with 5 µL Novex® Sharp Pre-Stained Standard (Cat. no. LC5800), OR
 - 10 µL MagicMark™ XP Standard with 5 µL SeeBlue® Pre-stained Standard (Cat. no. LC5625).
4. Load 5–10 µL of standard for a 10-well gel.*

* Actual amount will vary according to the antibody host species and the sensitivity of the detection system.

Host Species	Affinity
Human, Horse, Cow	++++
Pig, Rabbit	+++
Goat, Sheep, Hamster, Guinea Pig, Rat, Mouse	++
Chicken	+

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kDa

220
120
100
80
60
50
40
30
20



5 µL of MagicMark™ XP Western Protein Standard on a Bolt™ 10% Bis-Tris Plus Gel (chemiluminescent detection of PVDF membrane).



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