## 20X LumiGLO<sup>®</sup> Reagent and 20X Peroxide Store at +4C



Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
$\sim$	Petite 10 ml (5 ml each substrate)	Support:	877-678-TECH (8324)
003	Small 50 ml (25 ml each substrate)	Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

## For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity (Small)	Quantity (Petite)	
LumiGLO(R) Reagent A (20X)	95538	1 x 25 ml	1 x 5 ml	
Peroxide Reagent B (20X)	39864	1 x 25 ml	1 x 5 ml	
Description	Phototope <sup>®</sup> -HRP detection a In the presence of hydrogen intermediate dianion. This d immediately after exposure captured on X-ray film, typic	ssays utilizing peroxidase-labele peroxide, horseradish peroxida: ianion emits light on return to its of the substrate to HRP and cont ally by exposure for a few second repeated exposure to skin (see e	system designed for use with our d antibodies immobilized on membranes. se (HRP) converts luminol to an excited s ground state. Light emission is maximal tinues for up to 3 hours. Light can be ds. Maximum sensitivity can be obtained nclosed Material Safety Data Sheet or refer	
Storage	Store at 4°C. This product is stable for 12 months. DO NOT store Reagents A and B pre-mixed. Reagents A and B should be combined just prior to exposing membranes.			
Background	They eliminate the hazards a The speed and sensitivity of results are generated on film chemiluminescent methods HRP-conjugated secondary a	associated with radioactive mate these methods are unequalled b n, it is possible to record and stor are easily stripped for subseque antibodies are utilized in conjunc ght signal. HRP conjugates have	round method for western blot detection. rials and toxic chromogenic substrates. y traditional alternatives, and because re data permanently. Blots detected with nt reprobing with additional antibodies. tion with specific chemiluminescent a very high turnover rate, yielding good	
Directions for Use	(a) Wash membrane-bound	HRP (antibody conjugate) three t	imes, for 5 minutes in TBS/T.	
	(b) Prepare substrate by diluting 20X LumiGLO <sup>®</sup> and 20X Peroxide to 1X in water (e.g. for 10 ml, add 0.5 ml LumiGLO <sup>®</sup> and 0.5 ml peroxide to 9.0 ml water).			
	(c) Incubate substrate with n wrap in plastic and expose to		excess solution (membrane remains wet),	
Solutions and Reagents	7.6),137 mM NaCl and 0.1% Sensitivity: Detection of sub- Speed: Less than 1 hour is re minutesMultiple Exposures	Tween-20Advantages of the Pho picogram amounts of protein is equired for the entire detection p :: Light is emitted at a constant ra to optimize signal intensity. Re-e	r.Wash Buffer (TBS/T): 20 mM Tris-HCl (pH totope <sup>®</sup> Western Detection System- routine with good primary antisera procedure. Exposure times are seconds to ate for several minutes, so you can exposure at a future date is achieved by	
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