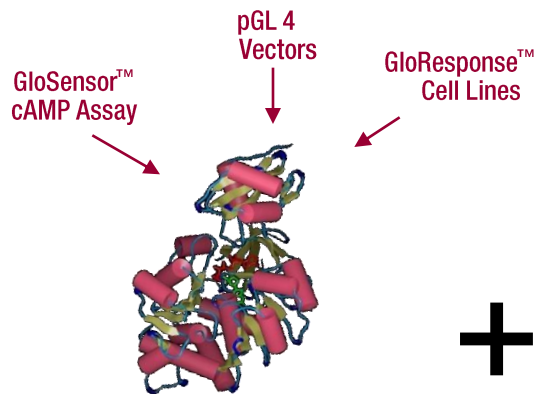


Promega Bioluminescent Assays

Applying a simple, yet powerful reaction to biology



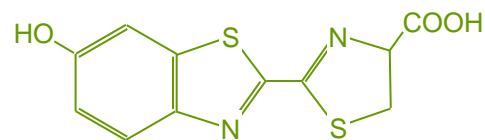
Luciferase Expression

Light production is dependent upon the levels of luciferase enzyme produced.

Assay reagents provide excess luciferin and ATP.

Luciferase Assay System
 Luciferase Assay System with Reporter Lysis Buffer
 ONE-Glo™ Luciferase Assay System
 Bright-Glo™ Luciferase Assay System
 Steady-Glo® Luciferase Assay System
 Dual-Luciferase® Reporter Assay System
 Dual-Glo™ Luciferase Assay System
 Luciferin
 Luciferin-EF™ Substrate
 VivoGlo™ Luciferin
 GloSensor™ cAMP Reagent

+



Luciferin Generation

Light production is dependent upon the levels of luciferin or amino luciferin produced through test enzyme activity

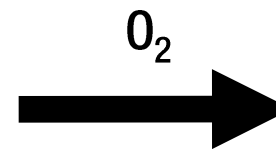
Assay reagents provide modified luciferin and excess Ultra-Glo® Luciferase and ATP.

Cell-Based Assays

ApoTox-Glo™ Triplex Assay **NEW**
 CytoTox-Glo™ Cytotoxicity Assays
 Caspase-Glo® Assay Systems
 Proteasome-Glo™ Cell Based Assays
 GSH-Glo™ Glutathione Assays.
 P450-Glo™ CYP3A4 Cell-Based Assay
 VivoGlo™ Caspase 3/7
 VivoGlo™ Luciferin-b-Galactosidase

In vitro Assays

DUB-Glo™ Protease Assay **NEW**
 Proteasome-Glo™ Assays
 Calpain-Glo™ Protease Assay
 DPPIV-Glo™ Protease Assay
 MAO-Glo™ Assay
 P450-Glo™ Screening Systems
 UGT-Glo™ Assays & Screening Systems **NEW**



ATP Detection

Light production is dependent upon the levels of ATP in the cells or ATP produced in the enzyme-linked assay

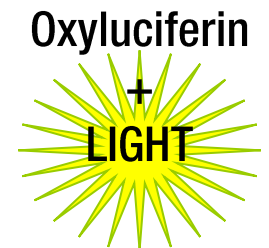
Assay reagents provide excess Ultra-Glo Luciferase and luciferin.

Cell-Based Assays

CellTiter-Glo® Luminescent Cell Viability Assay
 BacTiter-Glo™ Microbial Cell Viability Assay
 ENLITEN® Assays
 cAMP-Glo™ Assay

In vitro Assays

ADP-Glo™ Kinase Assay **NEW**
 Kinase-Glo® Luminescent Kinase Assay
 Kinase-Glo® Plus Luminescent Kinase Assay
 Kinase-Glo® Max Luminescent Kinase Assay
 PDE-Glo™ Phosphodiesterase Assay
 Pgp-Glo™ Assay System



Original Assays; Requires production of a lysate, then add-mix measure

Product	Cat. #	Size
Luciferase Assay System	PRE1500	100 assays
Luciferase Assay System 10 pack	PRE1501	1000 assays
Luciferase Assay System with Reporter Lysis Buffer	PRE4030	100 assays
Luciferase Assays System Freezer Pack	PRE4530	1000 assays
Luciferase 1000 Assay System	PRE4550	1000 assays

Homogeneous assays; add-mix-measure directly

Product	Cat. #	Size
ONE-Glo™ Luciferase Assay System	PRE6110	10ml
	PRE6120	100ml
	PRE6130	1000ml
Bright-Glo™ Luciferase Assay System	PRE2610	10ml
	PRE2620	100ml
	PRE2650	1000ml
Steady-Glo® Luciferase Assay System	PRE2510	10ml
	PRE2520	100ml
	PRE2550	1000ml

Dual-Luciferase; Requires production of a lysate; Add-mix-measure (2X)

Product	Cat. #	Size
Dual-Luciferase® Reporter Assay System	PRE1910	100 assays
Dual-Luciferase® Reporter Assay System 10-Pack	PRE1960	1000 assays
Dual-Luciferase® Reporter 1000 Assay System	PRE1980	1000 assays

Homogeneous Dual-Luciferase; Add-mix-measure (2X)

Product	Cat. #	Size
Dual-Glo™ Luciferase Assay System	PRE2920	10ml
	PRE2940	100ml
	PRE2980	1000ml

Promega Bioluminescent Assays

January 2010



Luciferins. Requires license from Xenogen and Caliper to use for live animal imaging.

Product	Cat. #	Size
Luciferin-EF™ Endotoxin-free Luciferin Na	PRE6551	25mg
	PRE6552	250mg
Beetle Luciferin, Potassium Salt	PRE1601	5mg
	PRE1602	50mg
	PRE1603	250mg
	PRE1605	1g
VivoGlo™ Luciferin, in vivo grade	PRP1041	50mg
	PRP1042	250mg
	PRP1043	1g
cAMP Detection Reagent	PRE1290	25mg
	PRE1291	250mg

Protease Assays; Add-mix-measure

Product	Cat. #	Size
ApoTox-Glo™ Triplex Assay - MultiTox-Fluor + Caspase-Glo® 3/7 Assay	PRG6320	10ml
	PRG6321	5 x 10ml
CytoTox-Glo™ Cytotoxicity Assay - Cell-based assay	PRG9290	10ml
	PRG9291	5 x 10ml
	PRG9292	2 x 50ml
MultiTox-Glo Multiplex Cytotoxicity Assay - CytoTox-Glo™ & CellTiter-Fluor™ Assays	PRG9270	10ml
	PRG9271	5 x 10ml
	PRG9272	2 x 50ml
Caspase-Glo® 2 Assay System - best suited for in vitro	PRG0940	10ml
	PRG0941	50ml
Caspase-Glo® 3/7 Assay System - Cell-based assay	PRG8090	2.5ml
	PRG8091	10ml
	PRG8093	10 x 10ml
	PRG8092	100ml
Caspase-Glo® 6 Assays System - best suited for in vitro	PRG0970	10ml
	PRG0971	50ml
Caspase-Glo® 8 Assay - Cell-based Assay	PRG8200	2.5ml
	PRG8201	10ml
	PRG8202	100ml
Caspase-Glo® 9 Assay - Cell-based Assay	PRG8210	2.5ml
	PRG8211	10ml
	PRG8212	100ml
Proteasome-Glo™ Chymotrypsin-Like Cell Based Assay	PRG8660	10ml
	PRG8661	5 x 10ml
	PRG8662	2 x 50ml


Protease Assays: Add-mix-measure

Product	Cat. #	Size
Proteasome-Glo™ Trypsin-Like Cell Based Assay	PRG8760	10ml
	PRG8761	5 x 10ml
Proteasome-Glo™ Caspase-Like Cell Based Assay	PRG8860	10ml
	PRG8861	5 x 10ml
Proteasome-Glo™ 3-Substrate Cell Based Assay	PRG1180	10ml
	PRG1200	50ml
Proteasome-Glo™ Chymotrypsin-Like Assay	PRG8621	10ml
	PRG8622	50ml
Proteasome-Glo™ Trypsin-Like Assay	PRG8631	10ml
	PRG8632	50ml
Proteasome-Glo™ Caspase-Like Assay	PRG8641	10ml
	PRG8642	50ml
Proteasome-Glo™ 3-Substrate Assay	PRG8531	10ml
	PRG8532	50ml
Calpain-Glo™ Protease Assay	PRG8501	10ml
	PRG8502	50ml
DPPIV-Glo™ Protease Assay	PRG8350	10ml
	PRG8351	50ml
DUB-Glo™ Protease Assay (DUB/SEN/P/NEDP)	PRG6260	10ml
	PRG6261	50ml

Metabolic Assays; Add-mix-measure

Product	Cat. #	Size
GSH-Glo™ Glutathione Assay - Cell-based assay	PRV6911	10ml
	PRV6912	50ml
MAO-Glo™ Assay - in vitro assay	PRV1401	200 assays
	PRV1402	1000 assays
P450-Glo™ CYP3A4 Assay (Luciferin-PFBE) Cell-Based/Biochemical Assay	PRV8901	10ml
	PRV8902	50ml
P450-Glo™ CYP3A4 Screening System (luciferin PFBE) DMSO-Tolerant Assay - Assay plus CYP3A4 enzyme	PRV9910	1000 assays
		1000 assays
P450-Glo™ CYP1A2 Screening System - Assay plus CYP1A2 enzyme	PRV9770	1000 assays
		1000 assays
P450-Glo™ CYP2C9 Screening System - Assay plus CYP2C9 enzyme	PRV9790	1000 assays
		1000 assays

Metabolic Assays; Add-mix-measure

Product	Cat.#	Size
P450-Glo™ CYP3A4 Screening System with Luciferin IPA -Assay plus CYP3A4 enzyme	PRV9920	1000 assays
P450-Glo™ CYP3A4 Screening System -Assay plus CYP3A4 enzyme	PRV9800	1000 assays
P450-Glo™ CYP2C19 Screening System -Assay plus CYP2C19 enzyme	PRV9880	1000 assays
P450-Glo™ CYP2D6 Screening System -Assay plus CYP2D6 enzyme	PRV9890	1000 assays
P450-Glo™ CYP3A4 Assay with Luciferin-IPA -Also a cell-based assay	PRV9001	10ml
	PRV9002	50ml
P450-Glo™ CYP3A4 Assay (Luciferin-PPXE) DMSO-Tolerant Assay	PRV8911	10ml
	PRV8912	50ml
P450-Glo™ CYP1A1 Assay	PRV8751	10ml
	PRV8752	50ml
P450-Glo™ CYP1B1 Assay	PRV8761	10ml
	PRV8762	50ml
P450-Glo™ CYP1A2 Assay	PRV8771	10ml
	PRV8772	50ml
P450-Glo™ CYP2C8 Assay	PRV8781	10ml
	PRV8782	50ml
P450-Glo™ CYP2C9 Assay	PRV8791	10ml
	PRV8792	50ml
P450-Glo™ CYP3A4 Assay	PRV8801	10ml
	PRV8802	50ml
P450-Glo™ CYP3A7 Assay	PRV8811	10ml
	PRV8812	50ml
P450-Glo™ CYP2C19 Assay	PRV8881	10ml
	PRV8882	50ml
P450-Glo™ CYP2D6 Assay	PRV8891	10ml
	PRV8892	50ml
UGT-Glo™ Assay 	PRV2081	200 assays
	PRV2082	1000 assays
UGT-Glo™ UGT1A1 Screening System -Assay plus UGT1A1 microsomes	PRV2120	200 assays
	PRV2121	1000 assays
UGT-Glo™ UGT2B7 Screening System	PRV2130	200 assays
	PRV2131	1000 assays

Mix-it-yourself in vitro CYP450 Assays

Product	Cat. #	Size
Luciferin-NAT2	PRP1721	3mg
Luciferin-3A7	PRP1741	3mg
Luciferin-4A	PRP1621	3mg
Luciferin-4F2/3	PRP1651	3mg
Luciferin-2J2/4F12 (ester)	PRP1671	3mg
Luciferin-MultiCYP(ester)	PRP1731	3mg
NADPH Regeneration System	PRV9510	1000 assays
Luciferin Detection Reagent	PRV8920	10ml
	PRV8921	50ml
Luciferin Detection Reagent with esterase	PRV8930	10ml
	PRV8931	50ml

Metabolic Assay Luciferins-Requires license from Xenogen and Caliper to use for live animal imaging

Product	Cat. #	Size
VivoGlo™ Caspase-3/7 Substrate (Z-DEVD-Aminoluciferin)	PRP1051	50mg
	PRP1052	250mg
VivoGlo™ Luciferin-β-Galactosidase Substrate (6-O-β-Galactopyranosyl-Luciferin)	PRP1061	50mg
	PRP1062	250mg


Direct ATP Measurement; Add-Mix-Measure

Product	Cat. #	Size
CellTiter-Glo® Luminescent Cell Viability Assay	PRG7570	10ml
	PRG7571	10 x 10ml
	PRG7572	100ml
	PRG7573	10 x 100ml
BacTiter-Glo™ Microbial Cell Viability Assay	PRG8230	10ml
	PRG8231	10 x 10ml
	PRG8232	100ml
	PRG8233	10 x 100ml
ENLITEN® ATP Assay System	PRFF2000	100 assays
ENLITEN® Total ATP Rapid Biocontamination Detection Kit	PRFF3710	100 assays
ENLITEN® rLuciferase/Luciferin Reagent	PRFF2021	100 assays

Metabolic Assays, ATP Consuming; Measures residual ATP.

Product	Cat. #	Size
Kinase-Glo® Luminescent Kinase Assay - 0-10µM ATP linear range - in vitro assay	PRV6711	10ml
	PRV6712	10 x 10ml
	PRV6713	100ml
	PRV6714	10 x 100ml
Kinase-Glo® Plus Luminescent Kinase Assay - 0-100µM ATP linear range - in vitro assay	PRV3771	10ml
	PRV3772	10 x 10ml
	PRV3773	100ml
	PRV3774	10 x 100ml
Kinase-Glo® Max Luminescent Kinase Assay - 0-500µM ATP linear range - in vitro assay	PRV6071	10ml
	PRV6072	10 x 10ml
	PRV6073	100ml
	PRV6074	10 x 100ml

Direct ADP Measurement: Add-Mix-Add-Mix-Measure

Product	Cat. #	Size
ADP-Glo™ Kinase Assay 	PRV9101	1,000assays
	PRV9102	10,000assays
	PRV9103	100,000assays

Metabolic Assays, ATP Consuming; Measures residual ATP

Product	Cat. #	Size
cAMP-Glo™ Assay - cell-based assay	PRV1501	300 assays
	PRV1502	3000 assays
	PRV1503	30000 assays
PDE-Glo™ Phosphodiesterase Assay - in vitro assay	PRV1361	1000 assays
	PRV1362	10000 assays
Pgp-Glo™ Assay System - in vitro assay	PRV3591	10ml
Pgp-Glo™ Assay System with P-Glycoprotein	PRV3601	10ml

CellTiter-Glo, Caspase-Glo, Dual-Luciferase, ENLITEN, GloMax, Kinase-Glo and Steady-Glo are registered trademarks of Promega Corporation. ADP-Glo, ApoTox-Glo, BacTiter-Glo, Bright-Glo, Calpain-Glo, cAMP-Glo, CellTiter-Fluor, CytoTox-Glo, DPPIV-Glo, Dual-Glo, DUB-Glo, GloResponse, GloSensor, GSH-Glo, Luciferin-EF, MAO-Glo, P450-Glo, PDE-Glo, Pgp-Glo, Proteasome-Glo, ONE-Glo, UGT-Glo and VivoGlo are trademarks of Promega Corporation. Products may be covered by issued or pending patents, please visit www.promega.com for more information.



For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
To order online: www.fishersci.com

©2009 Thermo Fisher Scientific

