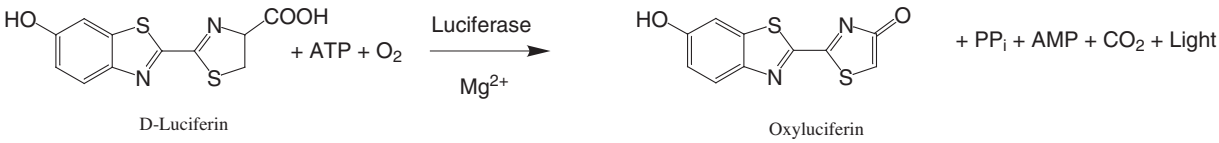
HUMAN HEALTH

ENVIRONMENTAL HEALTH

SEE YOUR RESEARCH IN A NEW LIGHT

LITES REAGENTS FOR YOUR CELL-BASED ASSAYS

No matter what your throughput for reporter gene, cytotoxicity or cell proliferation assays, there is a PerkinElmer lites luminescence product for you. Our lites are stored at 4°C which means they are ready to use right away and provide good stability. They also don't contain DTT, making them safer for use in your lab.



D-Luciferin Oxyluciferin

Reporter Gene Assays

PerkinElmer provides three options for homogeneous and sensitive quantitation of firefly luciferase expression in mammalian cells:

britelite™ plus – ultra-high sensitivity luciferase reporter gene assay system. britelite plus was designed to provide maximum signal intensity.

neolite™ – high sensitivity luciferase reporter gene assay system. Designed for an extended signal half-life of >2.5 hours. Stronger signal intensity than steadylite plus. The ideal combination of signal intensity and stability. The best robustness for your screens.

steadylite plus™ – high sensitivity luciferase reporter gene assay system. Designed for a longer half-life of 4 hours.

Cytotoxicity/Cell Proliferation Assays

PerkinElmer offers two options for Adenosine TriPhosphate (ATP) monitoring. Both systems are based on firefly (Photinus pyralis) luciferase. These luminescence assays are alternatives to colorimetric, fluorometric and radioisotopic assays for the quantitative evaluation of cultured mammalian cell proliferation and cytotoxicity. ATP monitoring can be used to assess the cytocidal, cytostatic and proliferative effects of a wide range of drugs, biological response modifiers and biological compounds.

ATPlite - two additions for maximal signal stability

ATPlite 1step - homogeneous, single addition format, read within 30 minutes

PerkinElmer®
For the Better

Choose the right detection reagent based on your application

	britelite plus	neolite	steadylite plus
Sensitivity	Very High	High	Moderate
Half-life (hours)	0.5	2.5	4
Plate Format	96, 384, 1536	96, 384, 1536	96, 384, 1536
Applications	• Superior sensitivity • Low transfection efficiency • Stem cell transfection • Rapid read time (continuous processing)	• High assay windows, low transfection efficiency • Stem cell transfection • Low- to high-throughput screening • Best robustness, extended read times	• Strong steady signal • Long extended read times • High throughput screening

Utilize the conversion chart below to identify the correct product for your application.

Conversion Chart

PRODUCT	PART #	SIZE	PROMEGA PRODUCT	PART #	SIZE
britelite plus, 10 mL	6066766	10 mL	Bright-Glo™, 10 mL	E2610	10 mL
britelite plus 100 mL	6066761	100 mL	Bright-Glo™, 100 mL	E2620	100 mL
britelite plus 1000 mL	6066769	1000 mL	Bright-Glo™, 10 x 100 mL	E2650	1000 mL
neolite 10 mL	6016716	10 mL	ONE-Glo™, 10 mL	E6110	10 mL
neolite 100 mL	6016711	100 mL	ONE-Glo™, 100 mL	E6120	100 mL
neolite 1000 mL	6016719	1000 mL	ONE-Glo™, 1000 mL	E6130	1000 mL
steadylite plus 10 mL	6066756	10 mL	Steady-Glo®, 10 mL	E2510	10 mL
steadylite plus 100 mL	6066751	100 mL	Steady-Glo®, 100 mL	E2520	100 mL
steadylite plus 1000 mL	6066759	1000 mL	Steady-Glo®, 10 x 100 mL	E2550	1000 mL
ATPlite 1step 10 mL	6016736	10 mL	CellTiter-Glo®, 10 mL	G7570	10 mL
ATPlite 1step 100 mL	6016731	100 mL	CellTiter-Glo®, 10 x 10 mL	G7571	100 mL
ATPlite 1step 1000 mL	6016739	1000 mL	CellTiter-Glo®, 1000 mL	G7573	1000 mL
ATPlite, 300 assay	6016943	300 dp (equiv 30 mL)	CellTiter-Glo®, 10 mL	G7570	10 mL
ATPlite, 1000 assay	6016941	1000 dp (equiv 100 mL)	CellTiter-Glo®, 10 x 10 mL	G7571	100 mL
ATPlite, 5000 assay	6016947	5000 dp (equiv 500 mL)	CellTiter-Glo®, 100 mL	G7572	100 mL
ATPlite, 10000 assay	6016949	10,000 dp (equiv 1000 mL)	CellTiter-Glo®, 1000 mL	G7573	1000 mL

EnSpire® Multimode Plate Reader is the ideal reader for ultra-sensitive luminescence and a range of other applications, providing high sensitivity and performance.

Visit www.perkinelmer.com/lites for more information and to order.

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