



## LUCIFERIN

### Proven and Published™ D-Luciferin

The potassium and sodium salts of luciferin are more convenient for experiments, particularly for *in vivo* imaging since they readily dissolve in water or buffer, and are safe for animal use. The free acid form of luciferin will not dissolve in water unless a dilute base such as NaOH or KOH is added to adjust the pH.

#### D-Luciferin, Potassium Salt (Proven and Published™)

LUCK-100	100 mg
LUCK-250	250 mg
LUCK-300	300 mg
LUCK-500	500 mg
LUCK-1G	1 g
LUCK-2G	2 x 1 g
LUCK-3G	3 x 1 g
LUCK-4G	4 x 1 g
LUCK-5G	5 x 1 g
LUCK-10G	10 x 1 g

#### D-Luciferin, Sodium Salt (Proven and Published™)

LUCNA-100	100 mg
LUCNA-250	250 mg
LUCNA-300	300 mg
LUCNA-500	500 mg
LUCNA-1G	1 g
LUCNA-2G	2 x 1 g
LUCNA-3G	3 x 1 g
LUCNA-4G	4 x 1 g
LUCNA-5G	5 x 1 g
LUCNA-10G	10 x 1 g

## Luminescence

### D-Luciferin Firefly, Free Acid (Proven and Published™)

L-123-250	250 mg
L-123-500	500 mg
L-123-1	1 g
L-123-2.5	2.5 g

### DMNPE-Caged Luciferin

L-130-10	10 mg
L-130-25	25 mg
L-130-50	50 mg

### L-Luciferin, Potassium Salt

L-127-10	10 mg
L-127-25	25 mg
L-127-50	50 mg

### Coelenterazine

CZ2.5	2.5 mg
CZ5	5 mg
CZ10	10 mg
CZ25	25 mg

### Coelenterazine 400 a

C-320-10	10 mg
C-320-25	25 mg
C-320-50	50 mg
C-320-100	100 mg

### Luminol, Sodium Salt

L-145-10	10 g
L-145-25	25 g
L-145-50	50 g
L-145-100	100 g

The bioluminescence images of athymic mice bearing luciferase-modified human glioblastoma xenograft in the right caudate-putamen (A) and in the subcutaneous (B). The images were taken 10 minutes after intraperitoneal injection of 150 mg/kg luciferin (Gold Biotechnology, St. Louis, MO).

Image #: JD20100507150751  
 Fri May 07, 2010 15:07:58  
 Em Filter=Open, Ex Filter=Block  
 Bin:(M)4, FOV:12.5, F1, 5s  
 Camera: IVIS 11224, DW434

Experiment: CIRM 1-1  
 Comment1: day 11 5.5.2010  
 Animal Number: m307 308 309  
 Cell Line: U87MG VIII

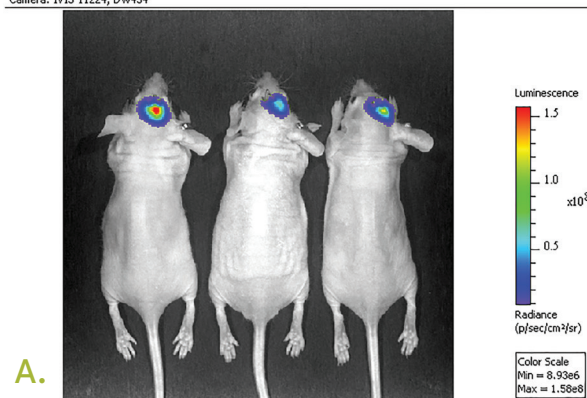


Image #: JD20100427122010  
 Tue Apr 27, 2010 12:20:21  
 Em Filter=Open, Ex Filter=Block  
 Bin:(M)4, FOV:12.5, F2, 0.5s  
 Camera: IVIS 11224, DW434

Experiment: BLI  
 Comment1: Day25(4/27/10)  
 Animal Number: m9 10  
 Cell Line: GBM39FL



Photo Credit: Dr. Tomoko Ozawa, Jacqueline De La Torre, Christina Ng, Edgar Lepe, Raquel Santos and Dr. C. David James. Animal Model Core in the Brain Tumor Research Center at UCSF.