

## Ready-To-Glow™ Automation Kit

Catalog No(s).	Amount	Lot Number
631739	1,000 rxns	Specified on product label.
631740	5,000 rxns	

### Description

Our Ready-To-Glow Automation Kit is a complete detection system for analysis of gene activity via plate readers with automated injection systems. It is designed for use with a transcription reporter system based on *Metridia* luciferase activity in the supernatant of transfected cells. In the presence of secreted luciferase in the sample, a nonluminescent substrate is converted to a luminescent compound. The intensity of bioluminescence is directly proportional to the amount of luciferase in the sample. The kit includes substrate buffer, reaction buffer, and a lyophilized secreted luciferase substrate. It has been optimized to work with our Ready-To-Glow Secreted Luciferase Vector Kit (Cat. No. 631729).

### Package Contents

<u>631739</u> (1,000 rxns)	<u>631740</u> (5,000 rxns)	
500 µl	5 x 500 µl	Substrate Buffer
2 x 25 ml	5 x 50 ml	Reaction Buffer
550 µg	5 x 550 µg	Lyophilized Secreted Luciferase Substrate

### Storage Conditions

- -20°C

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (-70°C)

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)  
The following documents apply to this product:

- Ready-To-Glow Secreted Luciferase Reporter Systems User Manual (PT3902-1)
- Ready-To-Glow Automation Kit Protocol-at-a-Glance (PT4049-2)

### Quality Control Data

Tissue culture media was removed from CHO cells transfected with either the pMetLuc2-Control Vector or a mock transfected control, and replaced with fresh media. Four hours later, media supernatant was collected and the signal intensity measured for the supernatant from CHO cells transfected with pMetLuc2-Control was at least 70-fold higher than that of the supernatant from mock-transfected CHO cells.

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### CATALOG NO.

631739

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