

Renilla Luciferase Synthesis

Reagents	Volume (ul)
S-100	3
55mM Met	1.5
100mM MgCl ₂	3
Synthesis mix	12
1ug/ul plasmid (BamHI)	2
10ug/ul total tRNA	4.5
T7 polymerase	3
50uM coelentarazine	3
	32ul
70s	1pmol
S-30 buffer	To 18ul
Total volume	50ul

Prepare ribosome:

30s and 50s subunits were heat activated at S-30 buffer for 20min at 42°C. and then associated in the same buffer for 10min at 37°C

Test program:

37°C, 80 cycles (Signal will reach the max around 2h, 60cycles), 2min interval, 5000ms integration time, 150 Gain