

Characterization of crRNA:

1. Inoculated from single-colonies into erlenmeyers containing 50ml LB medium and appropriate antibiotics (100 µg/mL spectinomycin and 34 µg/mL chloramphenicol), then cultured at 37 centigrade and 220 rpm without light overnight for 13h.
2. The samples were diluted to ABS600 0.06-0.07 into 50ml M9(contains 1% glycerol and appropriate antibiotics) in erlenmeyers. Three repeats for each sample.
3. Shake the erlenmeyers at 37 centigrade and 200 rpm under red light condition. Green light induced at 0h, 5h and 9h.

Take 200ul samples into 96-well cell culture cluster using the microplate reader (Synergy HT, BioTek, Winooski, VT, USA) to measure the absorbance every two hours.