



# DYS SEE

PURExpress.



Protocols

# PURExpress *In Vitro* Protein Synthesis Kit (NEB #E6800) Protocol

1. Thaw the necessary number of aliquots of solutions on ice. Pulse-spin in microfuge to collect solutions to bottom of tubes.

**Note:** Certain components in Solution A may precipitate during storage. Be sure to mix it well prior to assembling reactions. The performance of the kit will not be compromised. Do not vortex Solution B, mix gently.

2. Assemble the reaction on ice in a new tube.

## **Notes**

Solution A (Yellow): Thaw on ice just before use. Avoid multiple freeze-thaw cycles, if possible. Aliquot as necessary. Certain components in Solution A may precipitate during storage. Be sure to mix it well prior to assembling reactions. (40%)

Solution B (Red): Thaw on ice just before use. Avoid multiple freeze-thaw cycles, if possible. Aliquot as necessary. Do not vortex Solution B, mix gently. (30%)

For a 7ul reaction add the following :

Components	Volume (ul)
Solution A	2.8
Solution B	2.1
RNase Inhibitor (Takara) (40 u/ $\mu$ l)	0.14
DNA	x
ddH <sub>2</sub> O	Till 7ul

Incubate for desired time (approx. 1-3h) at 37-42 degrees Celsius



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