

NEB PURExpress Kit

The following protocol was obtained from the NEB Purexpress *In Vitro* Protein Synthesis Instruction Manual

1. Thaw Solution A, Solution B and template DNA on ice
2. Assemble reaction on ice in new tube in the following order for a 25 μ L reaction:

Solution A	10 μ L
Solution B	7.5 μ L
Supplements (RNase Inhibitor, etc.)	x μ L
Nuclease-free H ₂ O	x μ L
Template DNA (recommended starting concentration of 250ng)	x μ L

3. Mix gently and pulse-spin in microfuge to collect mixture at the bottom of the tube
4. Incubate at 37°C for 2 hours
5. Stop the reaction by placing the tube on ice
6. Use samples for analysis (SDS-PAGE) or purification or freeze at -20°C for use at later time