

## **In-Vitro Transcription** **(Kit Method)**

### **For HiScribe T7 High Yield RNA Synthesis Kit-NEB:**

**AIM:** Standard RNA Synthesis using NEB T7 RNA Synthesis Kit

#### **Materials required:**

1. HiScribe T7 High Yield RNA Synthesis Kit

#### **Procedure (for 10uL reaction volume):**

1. Dethaw all necessary components and set-up the reaction in ice with the following components:

S No.	Reagents	Volume
1	T7 RNA Polymerase Mix	1ul
2	NTP mix	5ul
3	DEPC water	3ul
4	DNA template	1ul
Total: 10ul		

2. Properly label and cover with parafilm.
3. Incubate the reaction in 37C water bath for 12-16 hours.
4. After incubation, add DNAase I from the kit and incubate in 37C for another 30 mins.
5. After incubation, store the sample in -20C.