



98343

## T7 RNA Polymerase (50U/ul) (w/10X IVT Buffer)

Part E

### Specifications

Appearance of Solution	Liquid
Appearance (Colour)	Colourless
Appearance (Clarity)	Clear
Absence of nucleases	Free of endonuclease, exonuclease, RNase and E.coli RNA polymerase activities
Assay	Functional assay with high yield in T7 RNA transcription
Purity	>95% by SDS PAGE

### Other Information

Description	T7 RNA polymerase is a monomeric bacteriophage encoded DNA directed RNA polymerase which catalyzes the formation of RNA in the 5`-3` direction. In the process of initiation of transcription T7 recognizes a specific promoter sequence, the T7 promoter. T7 consists of 883 amino acids and has a molecular weight of 99 kDa.
Application	Radiolabeled RNA probe preparation RNA generation for in vitro translation RNA generation for studies of RNA structure, processing and catalysis Expression control via anti-sense RNA Vaccine production In situ hybridization  Unit Definition:  One unit is defined as the amount of enzyme required to catalyze the incorporation of 5nmol of rCTP into acid-insoluble product in 1 hour at 37°C in a total volume of 100?l.

### General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1000 Units	38220090 (GST 12%)
5000 Units	38220090 (GST 12%)

## Available Packages

1000 Units

5000 Units

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### Disclaimer

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