

## RNase A (Ribonuclease A)

Ribonuclease A (bovine pancreas) supplied as white lyophilized powder which dissolves readily at concentration of 2 mg/ml in analytical grade water to give a clear colourless solution.

Purity: > 70% pure as checked by ion exchange chromatography.

Activity: In the range of 70 - 80 U/mg protein.

**Enzyme is not tested for DNase activity.**

**Unit definition:** One unit is that amount of enzyme causing hydrolysis of RNA at a rate such that k (velocity constant) equals unity at 25° C and pH 5.0.

**Store at - 20°C**

**Application:**

- Used in phage extraction

**Ordering Information:**

Product	Size	Cat #
RNase A	50 mg	105425
	250 mg	105424

## RNase A (Ribonuclease A) (DNase Free)

Ribonuclease A (bovine pancreas) is used to hydrolyse RNA during isolation of DNA. Supplied as lyophilized powder which dissolves readily in analytical grade water.

Essentially DNase free and > 95% pure as checked by ion exchange chromatography.

Activity: In the range of 80 - 90 u/mg protein.

**Unit definition:** One unit is that amount of enzyme causing hydrolysis of RNA at a rate such that k (velocity constant) equals unity at 25° C and pH 5.0.

**Store at - 20°C**

**Application:**

- In the isolation of DNA for RNA-free DNA.
- As a molecular weight marker.

**Performance Test:** Efficiency tested in plasmid preparations by alkali lysis.

DNase is not detected

**Absence of DNase contamination:** 1 µg of pBR 322 plasmid DNA was incubated with RNase, at a final concentration of 20 µg/ml, for 30 minutes at 37°C in a 50 µl reaction volume. No nicking or degradation of plasmid DNA observed on running the sample along with controls on a 1.2% agarose gel.

**Ordering Information:**

Product	Size	Cat #
RNase A (DNase Free)	10 mg	105414
	50 mg	105413
	100 mg	105412