

## Ribonuclease (RNase) Inhibitor

<b>Description:</b>	Ribonuclease Inhibitor isolated by affinity chromatography from porcine livers. Acts on type A RNases (RNase A, B and C) and functions in any enzymatic reaction buffer with pH 5–8 (optimal activity is observed at pH 7–8). Porcine RNase Inhibitor does not inhibit RNase T1, RNase H, RNase V1, RNase Phy M or RNase U2.		
<b>Ordering Information:</b>	AB-1296/B	RNase Inhibitor	5,000 units
<b>Concentration:</b>	20 - 40 units/μl		
<b>Source:</b>	Porcine		
<b>DNase Activity:</b>	≥100 units of RNase Inhibitor produced less than 1% hydrolysis of double-stranded and single-stranded [ <sup>3</sup> H]-DNA (heat-denatured <i>HpbI/AluI</i> restricted M13 DNA) in 1 hour.		
<b>Nickase Activity:</b>	≥100 units of RNase Inhibitor converted less than 5% of Form I φX-174 DNA into Form II in 1 hour.		
<b>Unit Definition:</b>	One unit is the amount of protein required to inhibit 5ng of RNase A by 50%.		
<b>Storage Buffer:</b>	20mM HEPES-KOH (pH 7.6), 50mM KCl, 5mM DTT, and 50% (v/v) glycerol.		
<b>Storage Conditions:</b>	Store at -20°C until ready for use. Avoid freeze thawing. RNase Inhibitor is <b>OXYGEN SENSITIVE</b> : keep tubes sealed when not in use. Shipped on ice within the UK and on dry ice for international and within the US.		

### For Research Purposes Only