

Product:	RIBONUCLEASE
Product code:	RN3
E.C. number:	3.1.27.5
CAS number:	9001-99-4
EINECS number:	232-646-6
Systematic name:	Ribonucleate 3'-pyrimidino-oligonucleotidehydrolase
Alternative name:	Pancreatic ribonuclease; RNase; RNase 1; RNase A; Pancreatic RNase; Ribonuclease 1; Endoribonuclease 1.
Source:	Bovine pancreas
Form:	A freeze-dried material.
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit definition:	That amount of enzyme causing the hydrolysis of RNA at a rate such that k (velocity constant) equals unity (Kunitz units) at 25°C and pH 5.0
Activity:	Not less than 81U/mg material RNase A content greater than 95% by ion exchange chromatography.
Contaminants:	DNase contamination: There is no change to the binding pattern of Hind III-digested λDNA following incubation of 1µg with 0.5U of RN3 for 30minutes at 37°C.
Solubility:	Dissolves readily at 2mg/ml in analytical grade water to give a clear solution.