

Product:	UREASE
Product code:	URE3
E.C. number:	3.5.1.5
CAS number:	9002-13-5
EINECS number:	232-656-0
Systematic name:	Urea amidohydrolase
Source:	Jack bean
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:	Nessler That amount of enzyme causing the liberation of one micromole of ammonia per minute at 25°C and pH 7.0 Bergmeyer That amount of enzyme causing the hydrolysis of one micromole of urea per minute at 25°C and pH 8.0
Specific activity:	Not less than 1300 Nessler U/mg protein (approximately 450 Nessler U/mg material)
Solubility:	Dissolves readily at 5mg/ml in 0.05M Tris/HCl buffer, pH 8.0 containing 0.001M EDTA, to give a clear solution