

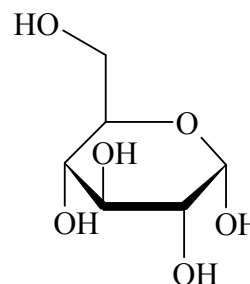
Caution: For Laboratory Use. A product for research purposes only.

GLUCOSE, D-[¹⁴C(U)]-

Product Number: NEC042A

LOT SPECIFIC INFORMATION

Lot Number:	1831106
Specific Activity:	2.9 mCi/mmol
	107.3 MBq/mmol
Production Date:	18-Dec-13



M.W. 180.16
C₆H₁₂O₆

PACKAGING: 0.1 mCi/ml (3.7 MBq/ml) in ethanol : water solution, 9:1.

STABILITY AND STORAGE: When glucose, D-[¹⁴C(U)]- is stored at 5°C in its original solvent and at its original concentration, the rate of decomposition is initially 1% for the first 12 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 1-5 mCi (37-185 MBq)/mmol

RADIOCHEMICAL PURITY: This product was initially found to be greater than 97% when determined by the following method. The rate of decomposition can accelerate. It is advisable to check purity prior to use:

Paper chromatography using the following solvent systems:

- n-butanol : ethanol : water, (50:32:18).
- n-butanol : acetic acid : water, (4:1:5).
- n-butanol : pyridine : water, (6:4:3).

QUALITY CONTROL: The radiochemical purity of glucose, D-[¹⁴C(U)]- is checked at appropriate intervals using the first listed chromatography method.

HAZARD INFORMATION: WARNING: This product contains a chemical known to the state of California to cause cancer.