TECHNICAL DATA SHEET

^{14}C

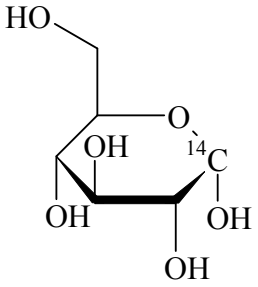
Caution: For Laboratory Use. A product for research purposes only.

GLUCOSE, D-[1-^{14}C]-

Product Number: NEC043X

LOT SPECIFIC INFORMATION

Lot Number:	2089500
Specific Activity:	56.5 mCi/mmol
	2091 MBq/mmol
Production Date:	5-Nov-2015



M.W. 180.16
$C_6H_{12}O_6$

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

STABILITY AND STORAGE: When glucose, D-[1-^{14}C]- is stored at 5°C in its original solvent and at its original concentration, the rate of decomposition is initially 0.5% 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: 45-60 mCi/mmol (1665-2220 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:

High pressure liquid chromatography on an Aminex HPX-87C column using the following mobile phase: Water at 85°C

QUALITY CONTROL: The radiochemical purity of glucose, D-[1-^{14}C]- is checked at appropriate intervals using the above listed chromatography method.

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

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