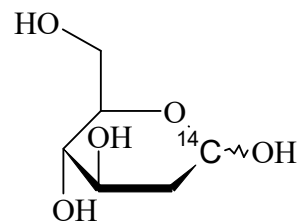


Research Use Only. Not for use in diagnostic procedures.

**DEOXY-D-GLUCOSE, 2-[1-<sup>14</sup>C]-****Product Number: NEC495****LOT SPECIFIC INFORMATION**

Lot Number:	2732023
Specific Activity:	53.5 mCi/mmol
	1980 MBq/mmol
Production Date:	15-Jun-2020

M.W. 164.2  
C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>**PACKAGING:** 0.1 mCi/ml (3.7 MBq/ml) in ethanol : water, 9:1.**STABILITY AND STORAGE RECOMMENDATIONS:** When deoxy-D-glucose, 2-[1-<sup>14</sup>C]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 2% per year 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. It is advisable to check purity prior to use:High pressure liquid chromatography on an Aminex HPX-87C column at 80°C using the following solvent system:  
Water

Paper chromatography on Whatman No. 1 using the following solvent system:

- 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 deoxy-D-glucose, 2-[1-<sup>14</sup>C]- 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