

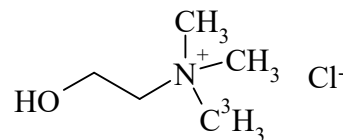
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## CHOLINE CHLORIDE, [METHYL-<sup>3</sup>H]-

Product Number: NET109

### LOT SPECIFIC INFORMATION

Lot Number:	2753466
Specific Activity:	73.7 Ci/mmol
	2727 GBq/mmol
Production Date:	08-Jan-2021



M.W. 139.6  
C<sub>5</sub>H<sub>14</sub>ClNO

**PACKAGING:** 1 mCi/ml (37 MBq/ml) in ethanol, in a silanized vial. Shipped on dry ice.

**STABILITY AND STORAGE RECOMMENDATIONS:** When choline chloride, [methyl-<sup>3</sup>H]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially less than 0.5% per month from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 60-90 Ci/mmol (2220-3330 GBq/mmol)

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

Thin layer chromatography on Avicel or paper chromatography on Whatman No. 1 using the following solvent systems:

- n-butanol : acetic acid : water, (25:4:10).
- n-butanol : ethanol : acetic acid : water, (8:2:1:3).

**QUALITY CONTROL:** The radiochemical purity of choline chloride, [methyl-<sup>3</sup>H]- is checked at appropriate intervals using the first listed chromatography method.

**SPECIAL INFORMATION:** Choline chloride, [methyl-<sup>3</sup>H]- has been found to adsorb to glass walls. For optimal assay conditions, use silanized glassware and pipets and add cold carrier prior to liquid scintillation counting.

**REFERENCE:** L. T. Potter and W. Murphy, *Biochem. Pharmacol.* 16, 1386-1388 (1967).

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