Amersham

Attention: Radiation Safety Officer

Sulphur-35 labelled amino acids have recently been discovered to emit volatile compounds due to radiolytic decomposition. Amersham has completed comparative studies of different methionines in their applications laboratories.

Results of the experiments show that the quantity of volatile material emitted from Sulphur-35 methionine is relative to product purity and the presence of a stabilizer. Amersham's stabilized Sulphur-35 methionine has shown a significant reduction in volatility over other available Sulphur-35 methionines.

Radiation safety is a concern for all laboratory personnel. Seldom does the opportunity arise for the RSO to clearly demonstrate the care that must be taken when handling radioactive materials. Please use the attached information to assist you in your commitment to a safe working environment.

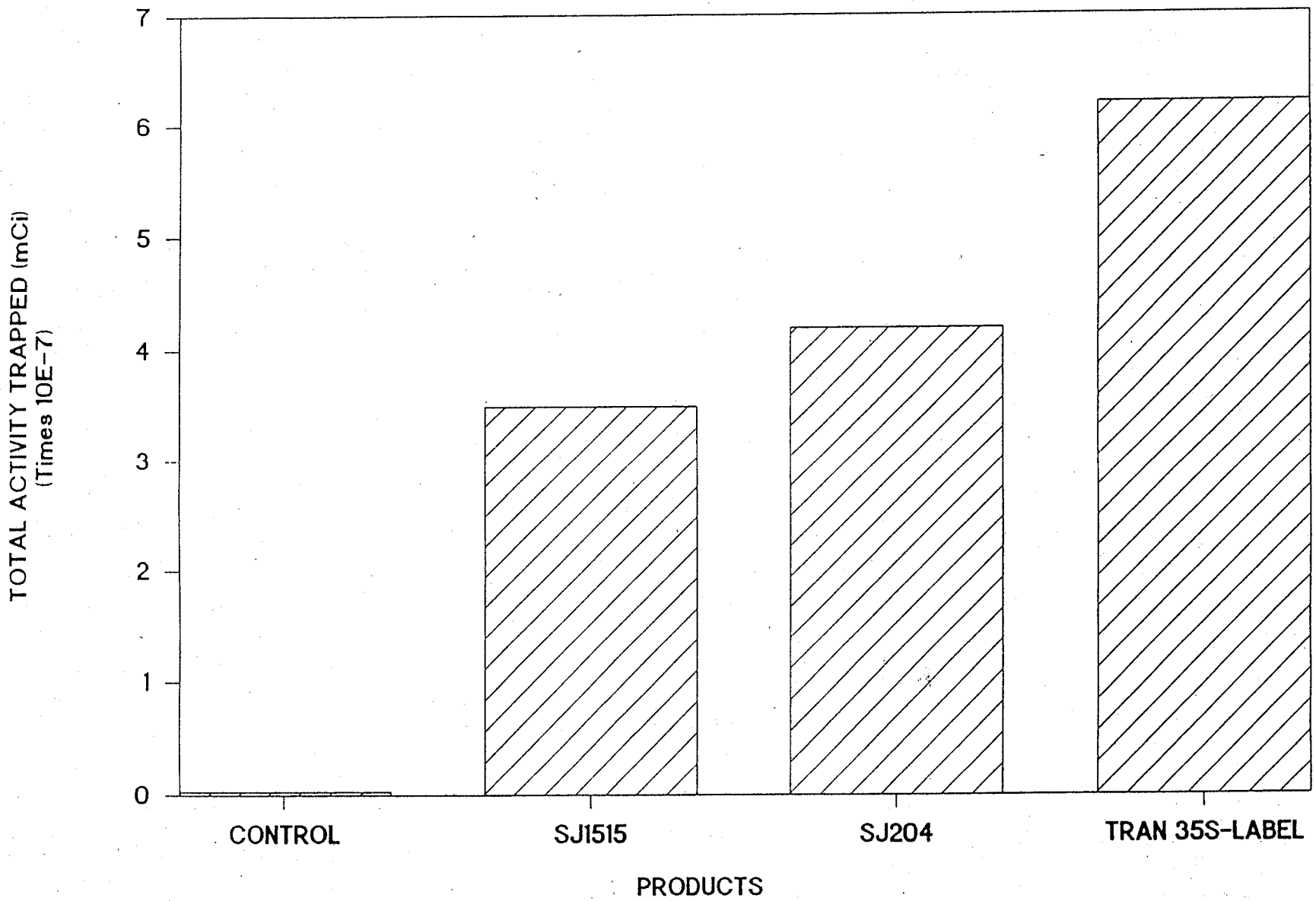
If you require additional information or technical support please call Amersham Canada at 847-1166 or 1-800-387-7146

THE PRODUCTS

SJ.1515	Amersham's L-[^{35}S] methionine Aqueous solution stabilized with 0.1% 2-mercaptoethanol and 15 mM pyridine 3,4-dicarboxylic acid. 50 mci/ml >1000 Ci/mmol
SJ.204	Amersham's L-[^{35}S] methionine 20 mM Potassium acetate solution containing 0.1% 2-mercaptoethanol. >800 Ci/mmol.
NEG-009T	NEN's L-[^{35}S] methionine Translation Grade 10 mM 2-mercaptoethanol under nitrogen >800 Ci/mmol
NEG-009A	NEN's L-[^{35}S] methionine Translation Grade 50 mM Tricine and 10 mM 2-mercaptoethanol >800 Ci/mmol
Tran^{35}S-label	ICN's L-[^{35}S] methionine: L-[^{35}S] cysteine, metabolic labelling reagent derived from 35S E. coli hydrolysate >1000 Ci/mmol

35S METHIONINE VOLALITILY

PRODUCT COMPARISONS (ALONE)



35S METHIONINE IN CELL CULTURE

PRODUCT COMPARISONS IN MAMMALIAN CELLS