**Description of 44CaCl2 solution (original packaging enclose)**

97 atom % (44Ca)

98% (CP)

50 mg

Molar mass – 114.86 g/mol

1. 2.2 mL of DDW added to vial, mixed to dissolve, and pipetted to new scintillation vial.
2. Another 2.2 mL of DDW added to vial, mixed to dissolve, and pipetted to the same scintillation vial.
3. Solution concentration is 0.0989 mol/L (target concentration 0.1 mol/L)
4. Solution volume is 4.4 mL
5. Half (2.2 mL) of this solution was added dropwise to 4 g of SI soil for 44CaCl2 pre-incubation and labeled litter incubation.
6. Remaining 2.2 mL stored in this vial.

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