**Reagent Preparation Sheet.**

**Proteinase K for cell lysis at a concentration of 20mg/mL**

**Date prepared:**

**By:**

1. **Hazard Assessment**

To protect yourself from any possible hazards associated with this task wear eye protection. You should also wear latex, nitrile, or vinyl gloves and a lab coat with long sleeves. To protect your legs and feet wear closed shoes and long trowsers. Do not wear sandles, shorts or a short skirt. Wash your hands before eating and when leaving the laboratory. You should review the MSDS for any chemical used in this procedure. In case of a spill with a toxic chemical remove all contaminated clothing and wash affected areas with copious quantities of water. Check location of the nearest safety shower. Eyes should be washed copiously for 15 minutes.

1. **Reagent**

Proteinase K for preparing *S. equi* cells for lysis

1. **Purpose of reagent**

Serves to cleave peptide bonds to break down proteins.

1. **Reconstituted vial and storage**

Once reconstituted, the Proteinase K solution can be stored for several days at a temperature of 2-8 C.

1. **To Prepare a Working Dilution**

Dissolve one bottle containing 10mg of Proteinase K in 0.5mL of water and swirl.

1. **Reference**

Sigma Aldrich http://www.sigmaaldrich.com/life-science/metabolomics/enzyme-explorer/analytical-enzymes/proteinase-k.html