

# Urine Cup Screening

June 15, 2015

Jackie Patel (UT) completed the urine cup screening with success following the procedure outlined below. She referenced “CDC Screening Guidelines for Elemental Analysis of Biological Matrices”.

She chose 14 cups at random, labeling each with a number 1-14. Each sample cup was filled with 0.5% nitric acid as the screening solution. They were filled to the 10mL line by pouring directly from the 0.5% nitric acid salutation flasks (volumes may vary). Sample cups labeled with an odd number were turned upside down and cups with even numbers remained upright. All sample cups remained on lab bench for 24 hours. Two solvent blanks were made by pouring 10mL of 0.5% nitric acid directly into a falcon tube.

Samples 11-14 were marked with a “w”. They are from one case that arrived containing visibly different urine cups.

This box of cups was affectionately marked “weirdo’s”. Samples from them are understandably marked with a “w”.

After 24h, samples were poured into falcon tubes and left at room temperature.

For analysis, “Section VII: Analysis of Screening Solution” in “CDC Screening Guidelines for Elemental Analysis of Biological Matrices” was followed.