



Data Collection Worksheet

Please Note: The Data Collection Worksheet (DCW) is a tool to aid integration of a PhenX protocol into a study. The PhenX DCW is not designed to be a data collection instrument. Investigators will need to decide the best way to collect data for the PhenX protocol in their study. Variables captured in the DCW, along with variable names and unique PhenX variable identifiers, are included in the PhenX Data Dictionary (DD) files.

The respondent is asked to urinate in a sterile 90-mL urine specimen container. Children above the age of 10 and adults can self-collect the urine. The specimen should be refrigerated immediately after collection. Aliquot 3mLs into a 4 mL cryovial. Freeze the cryovial at -20°C until analysis. If the samples need to be stored greater than 1 year freeze at -80°C .

Gas chromatography mass spectrometry (GC-MS) is the preferred method to accurately measure cotinine in urine samples. (See source references for details.) The limit of detection is 0.20 ng/mL. A result of 100 ng/mL urinary cotinine or more is indicative of an active smoker.

Protocol source: <https://www.phenxtoolkit.org/protocols/view/91701>