Adiponectin was measured from frozen serum using the Millipore (formerly Linco Research, St. Charles, MO) radioimmune assay. The Millipore Adiponectin RIA assay utilizes \(^{125}\)I-labeled Murine Adiponectin and a Multi-species Adiponectin Rabbit antiserum to determine the level of Adiponectin in serum, plasma or tissue culture media by the double antibody/PEG technique. The Adiponectin Standard is prepared using recombinant Human Adiponectin and can be used to determine the circulating levels of adiponectin in human serum/plasma samples.