

Mouse PTH(1-84)

Method:	ELISA Kit measures Intact Parathyroid Hormone (PTH 1-84) in Mouse or Human Plasma (EDTA).
Vendor:	Quidel (previously Immutopics Inc.). San Diego, CA USA. Cat# 60-2305
Description:	The PTH 1-84 ELISA Kit is a two-site enzyme-linked immunosorbent assay (ELISA) for the measurement of PTH in mouse plasma. The kit uses two different polyclonal antibodies that have been affinity-purified against two mouse PTH peptides: the biotinylated capture antibody against mPTH(39-84) and the HRP-conjugated detection antibody against mPTH(1-34). A test sample is incubated simultaneously with the biotinylated capture antibody and the HRP-conjugated detection antibody in a streptavidin coated microtiter well. PTH contained in the sample is immunologically bound by the capture antibody and the detection antibody to form a “sandwich” complex -- Well/Avidin— Biotin Anti-PTH — Intact PTH — HRP Anti-PTH -- The enzyme antibody bound to the well is incubated with a substrate solution in a timed reaction and then measured in a spectrophotometric microtiter plate reader. A standard curve is generated by plotting the absorbance versus the respective PTH concentration for each standard and the concentration of PTH in the samples is determined directly from this curve.

Sample Format and Assay Characteristics

Sample format:	Samples should be frozen in tubes or 96-well plates (preferred).
Volume:	25 ul
Range:	~ 32 – 2,150 pg/mL
Notes:	Contact Core to arrange sample submission and assay.