

Human PTH(1-84) (*and fragments*)

Method:	ELISA Kit measures human PTH 1-84 <i>plus its N-terminally truncated fragments, such as PTH(7-84)</i> , in serum, EDTA plasma or cell culture media.
Vendor:	Quidel (previously Immutopics Inc.) San Diego, CA USA. Kit #60-3100
Description:	A two-site enzyme-linked immunosorbent assay (ELISA) using two different polyclonal antibodies affinity purified against separate human PTH peptides: the capture antibody against hPTH(39-84), and the detection antibody against hPTH (13-34). Sample containing human PTH 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:	50 ul.
Range:	Human: ~ 12 – 1,179 pg/mL
Notes:	Contact Core to arrange sample submission and assay.