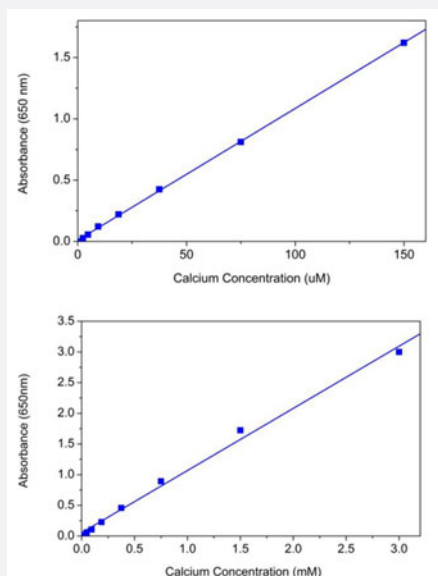


Calcium Assay Kit

Catalog # KA4081 Size 1 Kit

Applications



Top: Standard Curve of Calcium Assay Kit (Cat # KA4081) with regular protocol. Calcium dose response was measured on a 96-well black plate with the Calcium Assay Kit (Cat # KA4081). As low as ~ 2.5uM Ca^{2+} was detected with 5 minutes incubation time (n=3).

Bottom: Standard Curve of the Calcium Assay Kit (Cat # KA4081) with protocol for serum or urine samples. Calcium dose response was measured on a 96-well black plate with the Calcium Assay Kit (Cat # KA4081). As low as 0.03 mM calcium was detected with 5 minutes incubation time (n=3).

Specification

Product Description	Calcium Assay Kit is used for the measurement of calcium level in physiology solutions.
Suitable Sample	Physiological Solutions
Sample Volume	50 uL
Absorbance (nm)	600 or 650 nm
Detection Method	Colorimetric
Instrument Platform	Microplate Reader
Calibration Range	0.047 - 1.5 mM 2.5 - 150 uM
Limit of Detection	2.5 uM
Regulation Status	For research use only (RUO)

Storage Instruction

Store the kit at -20°C and minimize light exposure.

Applications

- Quantification

Publication Reference

- [Influence of ceftriaxone on human bone cell viability and in vitro mineralization potential is concentration- and time-dependent.](#)

Matthias Guido Wiesli, Jean-Pierre Kaiser, Emanuel Gautier, Peter Wick, Katharina Maniura-Weber, Markus Rottmar, Peter Wahl.

Bone & Joint Research 2021 Mar; 10(3):218.

Application: Func, Quant, Human, Human bone progenitor cells