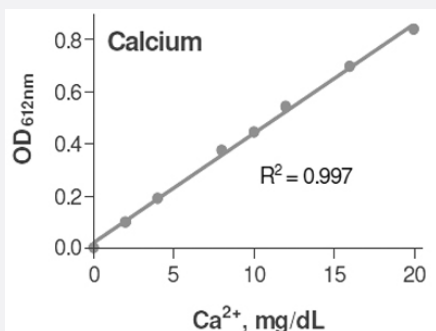


Calcium Assay Kit

Catalog # KA1644 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Calcium Assay Kit is a quantitative colorimetric calcium determination at 612 nm.
Suitable Sample	Blood, Saliva, Urine
Sample Volume	96-well plate: 5 uL ; Cuvette: 15 uL
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.08 to 20 mg/dL
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C.

Applications

- Functional Study

Publication Reference

- [Oral delivery of calcitonin-ion pairs: In vivo-proof of concept for a highly lipophilic counterion.](#)

Richard Wibel, Arne Matteo Jörgensen, Flavia Laffleur, Helen Spleis, Victor Claus, Andreas Bernkop-Schnürch.
International Journal of Pharmaceutics 2022 Dec; 631:122476.

Application: Func, Rat, Rat blood

- [The regulatory effect of hyaluronan on human mesenchymal stem cells' fate modulates their interaction with cancer cells in vitro.](#)

Christian Vogeley, Özer Degistirici, Sören Twarock, Jessica Wladarz, Oliver Reiners, Tobias Gorges, Jens W Fischer, Roland Meisel, Katharina Gorges.
Scientific Reports 2021 Oct; 11(1):21229.

Application: WB-Ti, Human, Human glioblastoma

- [Impact of hyperinsulinemia and hyperglycemia on valvular interstitial cells - A link between aortic heart valve degeneration and type 2 diabetes.](#)

Selig JI, Ouwens DM, Raschke S, Thoresen GH, Fischer JW, Lichtenberg A, Akhyari P, Barth M.
Biochimica et Biophysica Acta. Molecular Basis of Disease 2019 Sep; 1865(9):2526.

Application: Func, Sheep, Sheep valvular interstitial cells

- [Degenerative aortic valve disease and diabetes: Implications for a link between proteoglycans and diabetic disorders in the aortic valve.](#)

Barth M, Selig JI, Klose S, Schomakers A, Kiene LS, Raschke S, Boeken U, Akhyari P, Fischer JW, Lichtenberg A.
Diabetes & Vascular Disease Research 2018 Dec; 1479164118817922.

Application: Quant, Mouse, Mouse tissue patches

- [Enzymes of the purinergic signaling system exhibit diverse effects on the degeneration of valvular interstitial cells in a 3-D microenvironment.](#)

Weber A, Barth M, Selig JI, Raschke S, Dakaras K, Hof A, Hesse J, Schrader J, Lichtenberg A, Akhyari P.
FASEB Journal 2018 Mar; fj201701326R.

Application: Func, Sheep, Ovine valvular interstitial cells

- [In vivo skin penetration of macromolecules in irritant contact dermatitis.](#)

Abdel-Mottaleb MM, Lamprecht A.
International Journal of Pharmaceutics 2016 Dec; 515(1-2):384.

Application: Quan, Rat, Rat blood

- [Arsenic increases Pi-mediated vascular calcification and induces premature senescence in vascular smooth muscle cells.](#)

Martín-Pardillos A, Sosa C, Sorribas V.

Toxicological Sciences 2013 Feb; 131(2):641.

Application: Func, Rat, Vascular smooth muscle cells cultures or Rat aortas