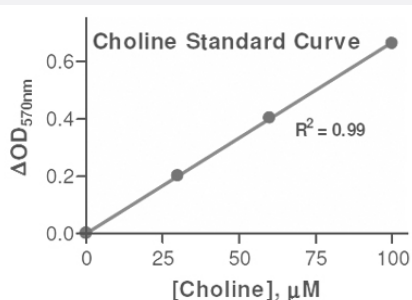


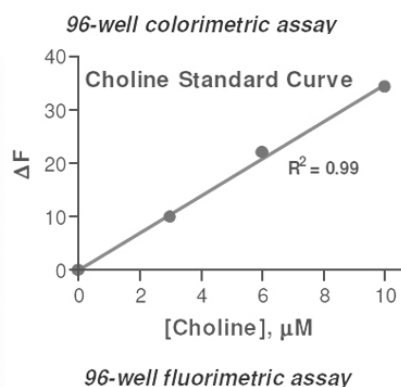
Choline Assay Kit

Catalog # KA1662 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	Choline Assay Kit is a quantitative colorimetric/fluorometric choline determination.
Suitable Sample	Cell Culture, Milk, Plasma, Saliva, Serum, Tissue, Urine
Sample Volume	20 uL
Detection Method	Colorimetric, Fluorometric
Assay Type	Quantitative
Calibration Range	Colorimetric Assay: 1 to 100 uM, Fluorimetric Assay: 0.2 to 10 uM
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 -20°C.

Applications

- Functional Study

Publication Reference

- [Periconceptional alcohol exposure causes female-specific perturbations to trophoblast differentiation and placental formation in the rat.](#)

Kalisch-Smith JI, Steane SE, Simmons DG, Pantaleon M, Anderson ST, Akison LK, Wlodek ME, Moritz KM.

Development 2019 Jun; 146(11):dev172205.

Application: Quant, Rat, Rat plasma

- [Nutritional and lipidomics biomarkers of docosahexaenoic acid-based multivitamin therapy in pediatric NASH.](#)

Torquato P, Giuseppeponi D, Alisi A, Galarini R, Bartolini D, Piroddi M, Goracci L, Di Veroli A, Cruciani G, Crudele A, Nobili V, Galli F.

Scientific Reports 2019 Feb; 9(1):2045.

Application: Func, Quant, Human, Human blood

- [Rumen-protected methionine compared with rumen-protected choline improves immunometabolic status in dairy cows during the peripartal period.](#)

Zhou Z, Bulgari O, Vailati-Riboni M, Trevisi E, Ballou MA, Cardoso FC, Luchini DN, Loor JJ.

Journal of Dairy Science 2016 Aug; 99(11):8956.

Application: Quan, Bovine, Cows milk

- [Effects of rumen-protected choline with calcium salts of long chain fatty acids on milk yield and milk composition of middle and late lactation Holstein cows.](#)

A Pineda, F C Cardoso.

Livestock Science 2015 May; 175:47.

Application: Quant, Bovine, Bovine milk

- [Biomarkers of inflammation, metabolism, and oxidative stress in blood, liver, and milk reveal a better immunometabolic status in peripartal cows supplemented with Smartamine M or MetaSmart.](#)

Osorio JS, Trevisi E, Ji P, Drackley JK, Luchini D, Bertoni G, Looor JJ.

Journal of Dairy Science 2014 Dec; 97(12):7437.

Application: Func, Cow, Milk