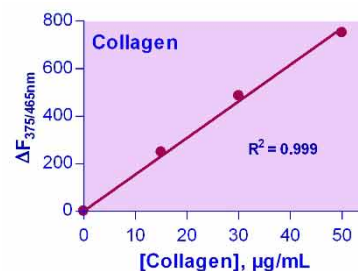


## CD Collagen Assay Kit

**Catalog Number:** AKBA267

**Size:** 100 tests

**Price:** [Online Inquiry](#)



### Product Information

Product Name	CD Collagen Assay Kit
Applications	For quantitative determination of collagen in biological and cosmetic products.
Features	Safe. Non-radioactive assay. Fast and sensitive. Linear detection range (20µL sample): 2 µg/mL to 50µg/mL collagen in 96-well plate assay. Convenient and high-throughput. "Add-mix-read" type assay. No wash and reagent transfer steps are involved. Can be readily automated for processing thousands of samples per day.
Detection Method	FL375/465nm
Sample Type	Biological samples (e.g. plasma, serum, cells) and cosmetic samples (e.g. collagen solution)
Species	All
Assay Time	80 min
Limit of Detection	2 µg/mL
Expiration Date	6 months
Description	COLLAGEN is the key structural protein of connective tissue and the most abundant protein in mammals. It occurs in many different types and forms with Types I-V being the most common. Aside from the crucial role it plays in the body, it has numerous medical applications such as its use in reconstructive surgery including bone and skin grafts. It is also commonly used in cosmetics due to its anti-aging and skin healing properties. Assay methods available for quantifying collagen currently range from needing extensive hydrolysis procedures with acids and bases to using expensive antibodies and complicated protocols. CD collagen assay kit delivers a very simple, safe, and sensitive method to quantify collagen in samples. In the first step of this procedure, collagen in the sample is enzymatically digested into peptides. Subsequently, the N-terminal glycine containing peptides react with the dye reagent to form a fluorescent complex. The fluorescence intensity of this product, measured at $\lambda_{ex/em} = 375/465$ nm, is directly proportional to collagen concentration in the sample.
Shipping Conditions	Shipping: On Ice
Storage	Storage: -20°C upon receipt