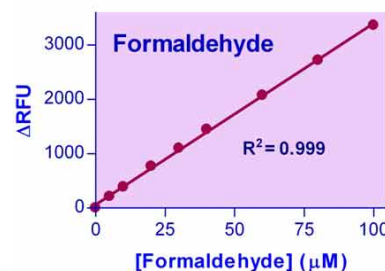


CD Formaldehyde Assay Kit

Catalog Number: AKBA072

Size: 100 tests

Price: [Online Inquiry](#)



Product Information

Product Name	CD Formaldehyde Assay Kit
Applications	For quantitative and direct determination of formaldehyde concentrations in biological, food, and environmental samples.
Features	Safe. Non-radioactive assay. Sensitive and accurate. As low as 1.5 μM (45 ppb) formaldehyde can be quantified. Homogeneous and convenient. “Mix-incubate-measure” type assay. No wash and reagent transfer steps are involved. Robust and amenable to HTS: Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.
Detection Method	FL370/470nm
Sample Type	Biological, food, beverage, environment
Species	All
Assay Time	30 min
Limit of Detection	1.5 μM (45 ppb)
Expiration Date	18 months
Description	FORMALDEHYDE (methanal) is the simplest aldehyde. It is widely employed in the industry for a wide range of applications. Formaldehyde is also used as a disinfectant and is a commonly utilized tissue fixative and embalming agent. Formaldehyde is naturally present in all tissues and body fluids. Recently it has been shown that some cancer types exhibit elevated formaldehyde levels. Increased formaldehyde concentration in urine has been associated with prostate and bladder cancer. Thus, measuring formaldehyde in urine can be a very useful tool when studying cancer. BioAssay Systems’s newly designed Formaldehyde Assay Kit provides a convenient fluorimetric means to measure formaldehyde in biological samples. In the assay, formaldehyde is derivatized with acetoacetanilide in the presence of ammonia. The resulting fluorescent product is then quantified fluorimetrically ($\lambda_{exc/em} = 370/470\text{nm}$). The assay is simple, sensitive, stable, and high-throughput adaptable. The assay can detect as low as 1.5 μM formaldehyde in biological samples.
Shipping Conditions	Shipping: RT
Storage	Storage: 4°C upon receipt