

Catalase (CAT) Activity Assay Kit

Description

Micro Catalase Activity Assay Kit provides a simple and easy colorimetric assay for the study of catalase activity in a variety of biological samples such as cell and tissue lysates or biological fluids. This assay kit utilizes the peroxidatic function of catalase for measuring catalase activity, based on the reaction of catalase with methanol, with the presence of an optimal concentration of H₂O₂. The formaldehyde produced can be measured colorimetrically at OD 540 nm. Therefore, the catalase activity present in the sample is proportional to the signal obtained. samples to the standard curve.

Catalogue No.	0301KTB
Size	96T
Detection range	2-75 μ M
Sensitivity	2 μ M
Applicable samples	Serum, Plasma, Animal and Plant Tissues, Cells
Kit components	• Assay Buffer
	• Sample Diluent
	• Formaldehyde standard (4.25 M)
	• Catalase (control)
	• Potassium Hydroxide
	• Hydrogen Peroxide
	• Chromogen
	• Potassium Periodate
	• Determination of catalase activity in serum, plasma, tissue/cell lysates and
	• Determining catalase activity directly by utilizing the peroxidatic function of
Features & Benefits	peroxidases.
	• A broad range linearity: 2-75 μ M.
	• Measure catalase activity down to 2 U/ml

	• If not assayed immediately, samples can be stored at -80°C.
Usage notes	<p>• Overheating can inactivate catalase. The enzyme should be kept cold during use.</p> <p>• In general, catalase is very unstable at high dilution. It is recommended to use the enzyme at a high concentration and dilute it just before use.</p>
Storage instructions	Storage at -20°C and Keep from light immediately upon receipt. Kit has a storage vial supplied for storage conditions of individual components.
Shipping	Gel pack with blue ice.
Precautions	The product listed herein is for research use only and not intended for diagnostic use. If the product is updated, it is best to confirm with the salesman or email us before ordering. If you have any other requirements, please email us, to get your wanted product.
Documents	Product manual with the material
Date Created	
2024/07/03	

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