

NAD⁺/NADH assay kit

NAD⁺/NADH Colorimetric Assay Kit

CATALOG #
AAA178105

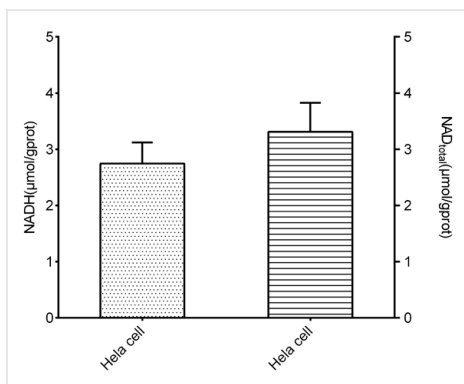
PRODUCT SYNONYMS

NAD⁺/NADH; NAD⁺/NADH Colorimetric Assay Kit; NAD⁺/NADH assay kit

PRODUCT SPECIFICATIONS

Form/Format	PBS (0.01 M, pH 7.4)
Samples	Animal tissue and cell samples
Detection Range	0.02-5.0umol/L
Sensitivity	0.02umol/L
Intra-assay Precision	1.8
Inter-assay Precision	9.1
Preparation and Storage	Store at -20 degree C

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for NAD⁺/NADH assay kit

Principle of the Assay: Detect total content of NAD⁺ and NADH Ethanol generates acetaldehyde under the action of enzyme. Meanwhile, NAD⁺ is reduced to NADH, NADH, under the action of hydrogen transmitter, transfer electrons to WST-8 to produce the yellow product, which has a characteristic absorption peak at 450 nm. Therefore, the total content of NAD⁺ and NADH can be quantified by measure the OD value at 450 nm. Detect NADH After treating sample, heat at 60 degree C water bath for 30 min. the NAD⁺ of the sample is decomposed and only NADH remains. NADH reduces WST-8 to form yellow product, and the amount of NADH is determined by measure the OD value at 450 nm. Detect NAD⁺ and NAD⁺/NADH The content of NAD⁺ and the ratio of NAD⁺/NADH in the sample can be obtained according to the total content of NAD⁺ and NADH obtained of the first two steps as well as the separate content of NADPH. Note: NADP⁺ and NADPH have no effect on the determination results.

Product Categories/Family for NAD⁺/NADH assay kit

Metabolism assay kit; Oxidative stress

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/nad-nadh/178105>