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Saisir le nom du produit, le numéro de lot, etc.

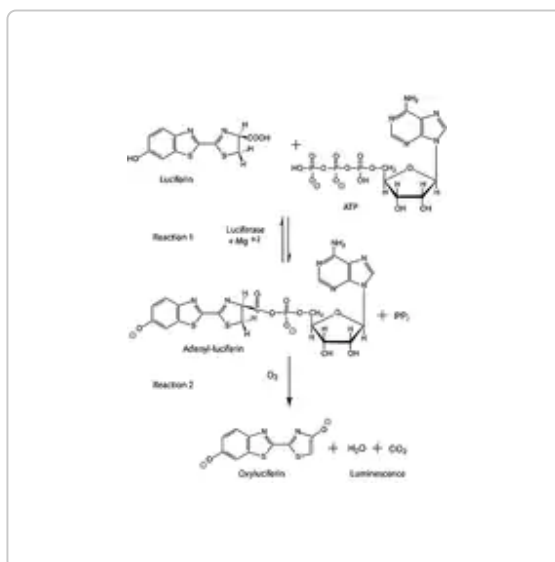


FLAA ► Sigma-Aldrich®

Adenosine 5'-triphosphate (ATP) Bioluminescent Assay Kit

★★★★★ (0)

for ATP quantitation



Toutes les photos (1)

Synonyme(s):

ATP Bioluminescence Assay, ATP Determination Kit, Luminescent ATP Detection kit

Numéro EC:

213-579-1

eCl@ss:

32160414

NACRES:

NA.26

Select an Option

Référence

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705,00 €



Date d'expédition estimée le 03 novembre 2022

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1

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Documents

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PRODUITS RECOMMANDÉS



Sigma-Aldrich

MAK190

ATP Assay Kit

Sufficient for 100 Colorimetric or Fluorometric tests

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PROPRIÉTÉS

Niveau de qualité
200

Temp. de stockage

2-8°C

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DESCRIPTION

Description générale

The Adenosine 5'-triphosphate (ATP) Bioluminescent Assay Kit may be employed for the quantitative bioluminescent determination of ATP in samples. ATP is consumed and light is emitted when luciferase catalyzes the oxidation of D-luciferin. When ATP is the limiting reagent, the light emitted is proportional to the ATP present in the sample.

Application

Adenosine 5'-triphosphate (ATP) Bioluminescent Assay Kit has also been used in the quantification of ATP in 3D matrixes of human neurons, hepatic cells with ischemia, various bacterial cultures and lysosomes.

Composants de kit seuls

Réf. du produit	Description
	FL-AAB Dilution buffer 1 mL/vial
	FL-AAM Assay mix 1 mL/vial
	FL-AAS ATP standard 1 mL/vial

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS05

Mention d'avertissement

Danger

Mentions de danger

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[GET YOURS HERE](#)**Classification des risques**

Eye Dam. 1

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)[Rechercher](#)**Certificat d'origine**

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

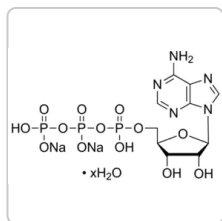
Comment saisir un numéro de lot (COO)[Rechercher](#)

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Sigma-Aldrich

FLAAS

Adenosine 5'-triphosphate (ATP) disodium salt hydrate

vial of ~1 mg ATP

[Consulter le prix et la disponibilité](#)

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QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

How many reactions can one do with Product FLAA, ATP Bioluminescent Assay Kit (one vial of FLAAM)?

When one reconstitutes the vial to 5 ml, as directed, one can perform 50 assays using 100 µl per test. If one dilutes 1:5 one can get 250 tests per kit.

What is the sensitivity of Product FLAA, ATP Bioluminescent Assay Kit the assay mix?

With FLAAM diluted 1:5, one can easily measure 1 pmol ATP in 100 µl (10 nM) with 50 µl of the reagent.

What is the stability of the Product FLAA, ATP Bioluminescent Assay Kit ATP stock solution?

The ATP standard stock solution (FLAAS) is stable for at least 24 hours at 0-5°C, or for over two weeks if stored frozen at -20°C.

Can Product FLAA, ATP Bioluminescent Assay Kit assay mix be used on cells and tissues?

This reagent measures only soluble ATP. Cells must be washed and then lysed to obtain a soluble ATP extract. Tissues must be homogenized and clarified to provide an extract. The supernatant solution can then be used for assay.

How can one check for inhibitors in the samples when using Product FLAA, ATP Bioluminescent Assay Kit?

One must add an amount of ATP from a standard solution equivalent to the ATP already found in the sample. If the signal is doubled, the absence of an inhibitor is indicated.

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

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How do I find price and availability?

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

The impact on the bioenergetic status and oxidative-mediated tissue injury of a combined protocol of hypothermic and normothermic machine perfusion using an acellular haemoglobin-based oxygen carrier: The cold-to-warm machine perfusion of the liver.

Yuri L Boteon et al.

PloS one, 14(10), e0224066-e0224066 (2019-10-24)

The combination of hypothermic and normothermic machine perfusion (HMP+NMP) of the liver provides individual benefits of both techniques, improving the rescue of marginal organs. The aim of this study was to investigate the effect on the bioenergetic status and the

Development of Clinical Criteria for Functional Assessment to Predict Primary Nonfunction of High-Risk Livers Using Normothermic Machine Perfusion.

Hynek Mergental et al.

Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society, 24(10), 1453-1469 (2018-10-26)

Increased use of high-risk allografts is critical to meet the demand for liver transplantation. We aimed to identify criteria predicting viability of organs, currently declined for clinical transplantation, using functional assessment during normothermic machine perfusion (NMP). Twelve discarded human livers

Activation of lysosomal P2X4 by ATP transported into lysosomes via VNUT/SLC17A9 using V-ATPase generated voltage gradient as the driving force.

Xi Zoë Zhong et al.

The Journal of physiology, 594(15), 4253-4266 (2016-08-02)

SLC17A9 proteins function as a lysosomal ATP transporter responsible for lysosomal ATP accumulation. P2X4 receptors act as lysosomal ion channels activated by luminal ATP. SLC17A9-mediated ATP transport across the lysosomal membrane is suppressed by Bafilomycin A1, the V-ATPase inhibitor. SLC17A9

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FLAIC NLKS are modular immune receptors that trigger rapid cell death in response to attempted infection by pathogens. A highly conserved nucleotide-binding domain shared with APAF-1, various R-proteins and CED-4 (NB-ARC domain) is proposed to act as a molecular switch

Comparative effects of fipronil and its metabolites sulfone and desulfinyl on the isolated rat liver mitochondria.

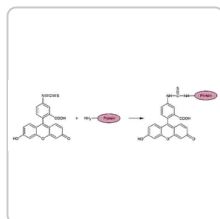
Marco A Tavares et al.

Environmental toxicology and pharmacology, 40(1), 206-214 (2015-07-06)

Fipronil is an insecticide extensively used to control pests in crops and animals. There are reports of poisoning due to exposure of fipronil in mammals and the liver has been suggested as potential target. In this study, we evaluated the

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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

FITC1

FluoroTag™ FITC Conjugation Kit

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Évaluations

★★★★★

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Questions

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