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Cell-ATP Viability Detection Kit

MCE Cell-ATP Viability Detection Kit is used for detecting the number and viability of living cells in culture based on high-sensitivity bioluminescence detection technology of the ATP present.

★★★★★ (4.8) | 120 ratings

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Product Highlights

Brand: MedchemExpress Pack Size: 10

Ref no: HY-K0302 CAS Num: 2323

Pack Unit: mL

Description

Storage

Application

Components

Documentation

ATP is an important index of cell metabolism which has a good linear relationship with the number of living cells. The principle of ATP bioluminescence technology is as follows: luciferase uses luciferin, adenosine triphosphate (ATP) and O₂ as substrates, and converts chemical energy into light energy in the presence of Mg²⁺. In the luminescence reaction catalyzed by luciferase, the concentration of ATP is linearly related to luminescence intensity within a certain concentration range. The amount of ATP is directly proportional to the number of cells present. Based on this, the Cell-ATP Viability Detection Kit can be used for cell counting or viability determination by ATP content.

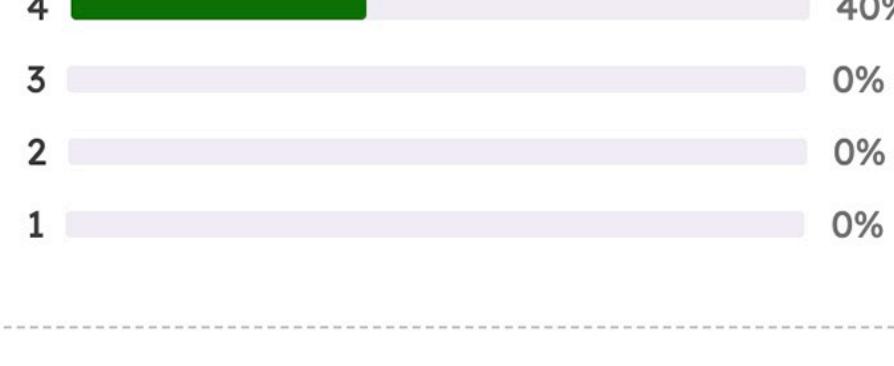
MCE Cell-ATP Viability Detection Kit is used for detecting the number and viability of living cells in culture based on high-sensitivity bioluminescence detection technology of the ATP present.

Reviews & Ratings

Cell-ATP Viability Detection Kit

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4.6 ★



Average Rating based on 5 ratings and 5 reviews

Verified Purchase

Priyansh

February 28, 2024

Rapid and Reliable Results for High-Throughput Screening

Switching to the Cell-ATP Viability Detection Kit has significantly streamlined our cytotoxicity screening workflow. The single-step, homogeneous assay format is a huge time-saver—no more tedious washing or medium removal. The luminescent signal is incredibly bright and stable, giving us highly reproducible results across our 96-well plates. We found its sensitivity to be superior to our previous colorimetric assay, allowing us to accurately measure viability even at low cell densities. This kit is a must-have for any lab performing high-throughput viability or proliferation studies.

Verified Purchase

Mr K Kaushik

February 27, 2024

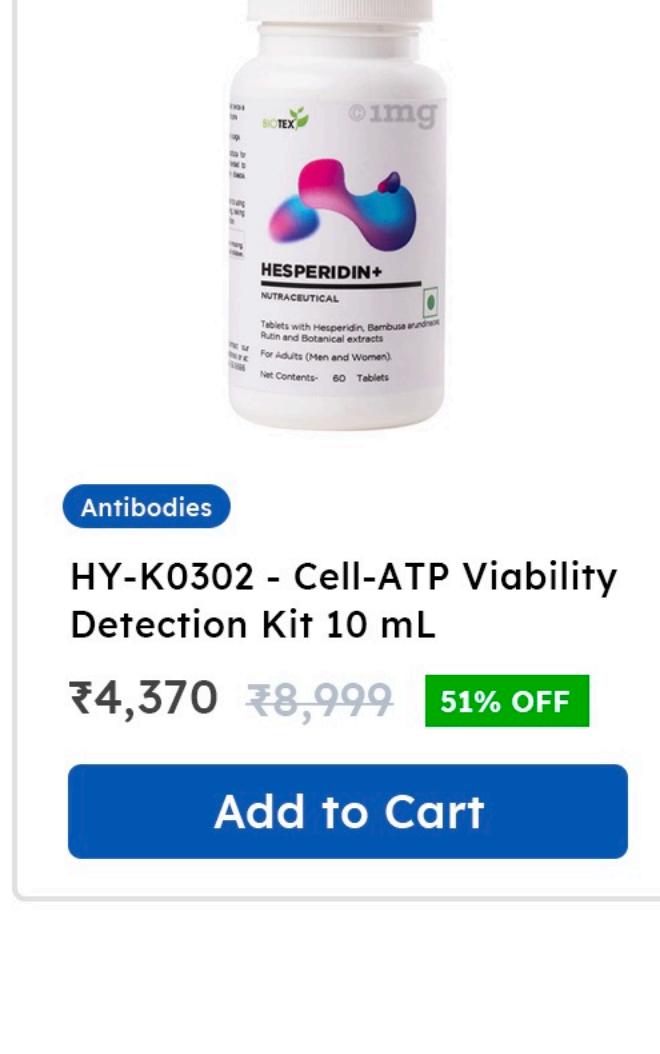
The Gold Standard for Accurate Cell Health Assessment

The high sensitivity of the ATP detection in this kit provides a much more accurate reflection of true metabolic cell viability compared to dye-reduction methods. The linear detection range is excellent, which simplifies our standard curve preparation and data analysis. We specifically appreciated how quick the turnaround time is, with readings available just minutes after adding the reagent. For researchers needing to precisely quantify cell viability in drug response experiments or complex co-cultures, this kit offers unmatched reliability and speed.

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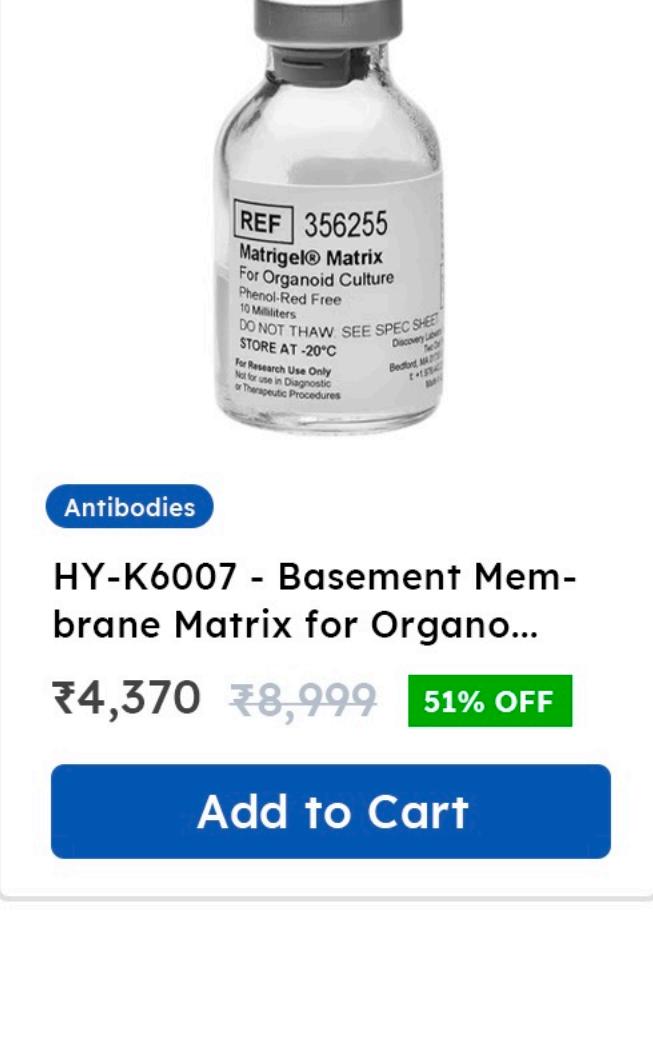


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