



Jun 02, 2022

🌐 Total ATP Level Determination

mitsjoecohen ¹

¹Creative Biogene

1



dx.doi.org/10.17504/protocols.io.6qpvr62w2vmk/v1

 mitsjoecohen

Measuring the total ATP level of cells can provide important information about cell proliferation, differentiation, activation, and apoptosis. **Creative Biogene** introduces the Seahorse XF real-time ATP rate determination platform, which can simultaneously measure the ATP production rates of two key energy metabolic pathways (glycolysis and mitochondrial respiration) in living cells using label-free technology.

This method allows the oxygen consumption rate of aerobic respiration (OCR) and the extracellular acidification rate (ECAR) of glycolysis to be detected. The validated calculation is used to convert it into mitochondrial respiratory ATP, glycolysis ATP, and total ATP production rate.

DOI

dx.doi.org/10.17504/protocols.io.6qpvr62w2vmk/v1

<https://www.mitochondriasci.com/determination-of-total-atp-level.html>

mitsjoecohen 2022. Total ATP Level Determination. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.6qpvr62w2vmk/v1>



Total ATP Level Determination

_____ protocol ,

Jun 02, 2022

Jun 02, 2022

63758