

# Seahorse XF Palmitate-BSA FAO Reagent

A substrate for measuring  
fatty acid oxidation [FAO]  
in the Seahorse XF Analyzer

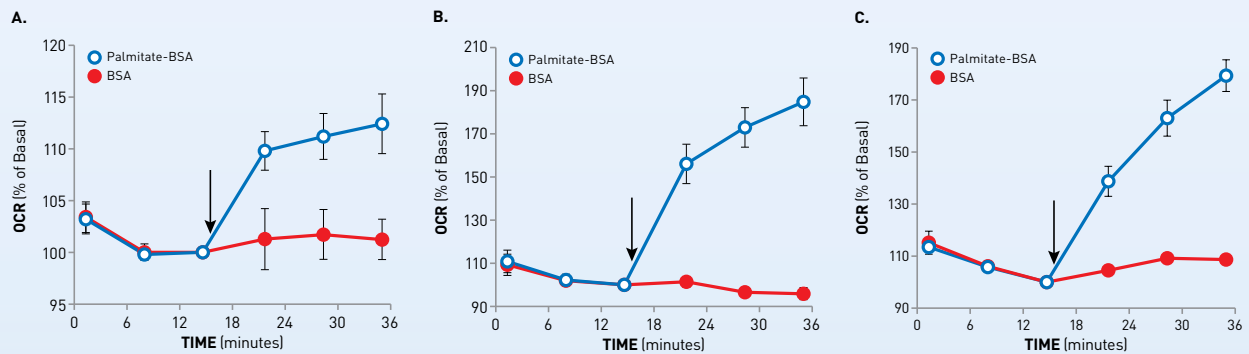
## Measure fatty acid oxidation (FAO) in cells, in minutes, in a microplate

Functional fatty acid oxidation assays are easy with the Seahorse XF Palmitate-BSA FAO Reagent, an aqueous solution that is readily absorbed and utilized by cells, and is perfect for use in cell-based, XF FAO assays.



### Seahorse XF Palmitate-BSA FAO Reagent:

- Standardized, quality-controlled solution for measuring fatty acid oxidation
- Ready-to-use solution that provides consistent results in every assay
- True functional information without radioactivity



**Figure 1 | Compare Palmitate Oxidation Rates in Different Cells**

XF Palmitate-BSA (blue) or XF BSA Control (red) was injected to assess rates of Palmitate oxidation in [A.] H9C2 cardiomyocytes (ATCC), [B.] iCell Cardiomyocytes (Cellular Dynamics), and [C.] C2C12 myoblasts (ATCC). Kinetic results were acquired by the Seahorse XF Analyzer during the experiment.

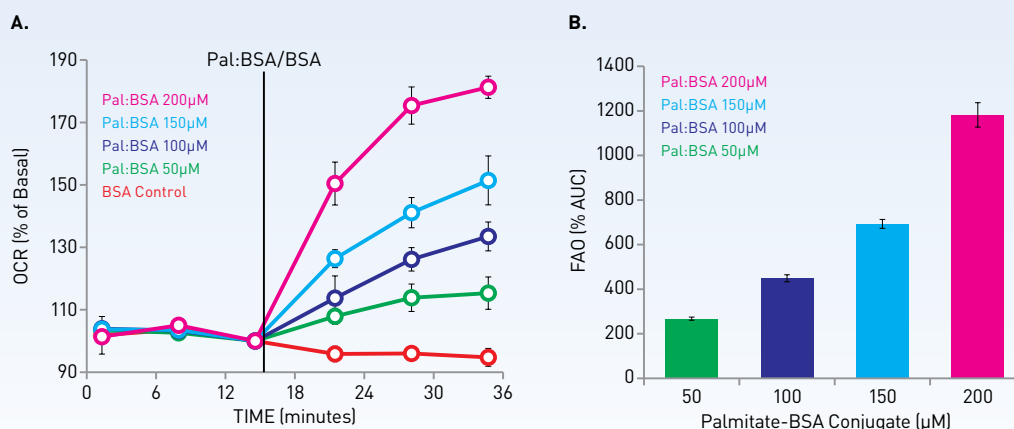
*Seahorse Bioscience*

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## Seahorse XF Palmitate-BSA FAO Reagent

The Seahorse XF Palmitate-BSA FAO Reagent is a pre-conjugated, quality controlled fatty acid substrate that simplifies the process for obtaining functional data to characterize the metabolic phenotype of your cells.



**Figure 2 | Palmitate Titration Assay**

XF Palmitate-BSA (or XF BSA Control) was injected at various concentrations to determine the optimal conditions for subsequent fatty acid oxidation experiments using C2C12 myoblasts (ATCC), as shown in the [A.] Kinetic graph, and [B.] area under the curve (AUC) graphs above.

### Kit Contents

**XF Palmitate-BSA:** 2mM solution (3 x 2mL vials)

**XF BSA Control:** 0.17mM solution (3 x 2mL vials)

NOTE: One vial of XF Palmitate-BSA (or XF BSA Control) contains enough material for one XF<sup>®</sup>96 or XF<sup>®</sup>24 assay plate.

### Ordering Information

**Product:** Seahorse XF Palmitate-BSA FAO Reagent

**Part #:** 102720-100

**Storage Requirements:** Store at -20°C

**Shipping Conditions:** Ships at ambient temperature



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