

Cellular Metabolism, O₂ Consumption & Toxicity

MitoXpress[®] Xtra

Oxygen Consumption Assays (HS method)

Measures extracellular oxygen consumption:

- Whole cells: adherent / suspension.
- Isolated mitochondria and permeabilized cells.
- 3D cultures: tissues, spheroids, scaffold & matrices.
 - Isolated enzymes, bacteria and yeasts.

Cellular Energy Flux-Multiplex

Use both for measurement of mitochondrial respiration, glycolysis and analysis of the metabolic phenotype of cells and the shift (flux) between the two pathways under pathological states.

pH-Xtra[®]

Glycolysis Assays (Extracellular Acidifications)

Measures extracellular acidification:

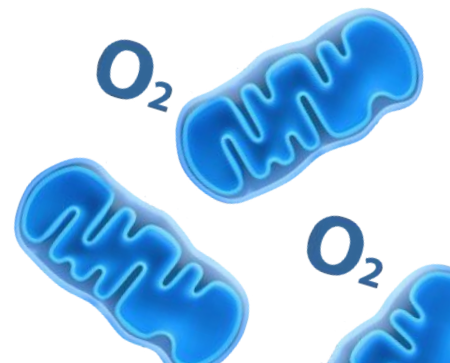
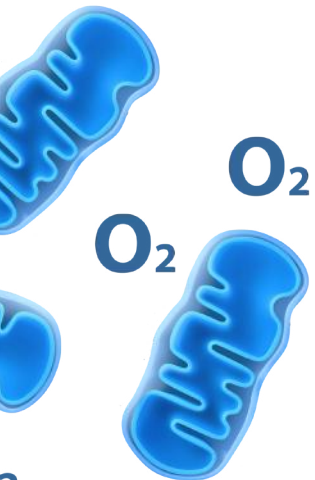
- Simultaneous combine with MitoXpress.
- Advantage of measurement of mitochondrial and cellular function and toxicity.

MitoXpress[®] Intra

Intracellular Oxygen Assay

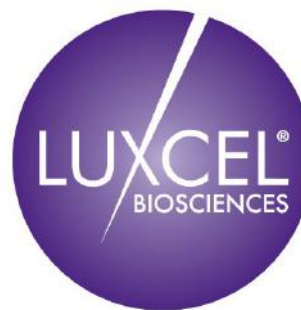
Measures absolute O₂ concentration at cell monolayer:

- Ideal for hypoxia studies.
- Non-invasive reagent taken up by endocytosis
- Use with standard hypoxic chambers or ACU (atmospheric control unit).




Easily analyze cellular metabolism using our fluorescence-based, cost effective 96-well or 384-well plate approach to the direct real-time analysis of mitochondrial respiration (MitoXpress® Xtra), glycolysis (pH-Xtra®) and intracellular oxygen concentration (MitoXpress® Intra).


Cat. No	Description	Packsize
MX-200	MitoXpress® Xtra HS - Oxygen Consumption Assay (HS Method)	1 x vial of lyophilised, water soluble MitoXpress® probe 1 x 15ml bottle of HS Mineral Oil
MX-200/4		4 x vials of lyophilised, water soluble MitoXpress® probe 4 x 15ml bottle of HS Mineral Oil
MX-300	MitoXpress® Intra - *Intracellular+ Oxygen Concentration Assay	1 x vial of lyophilised, water soluble cell-penetrating probe
MX-300/5		5 x vial of lyophilised, water soluble cell-penetrating probe
PH-200	pH-Xtra™ - Glycolysis Assay *Extracellular Acidification+ PH	1 x vial of lyophilised, water soluble pH probe 1 x respiration buffer tablet
PH-200/4		4 x vial of lyophilised, water soluble pH probe 4 x respiration buffer tablet



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