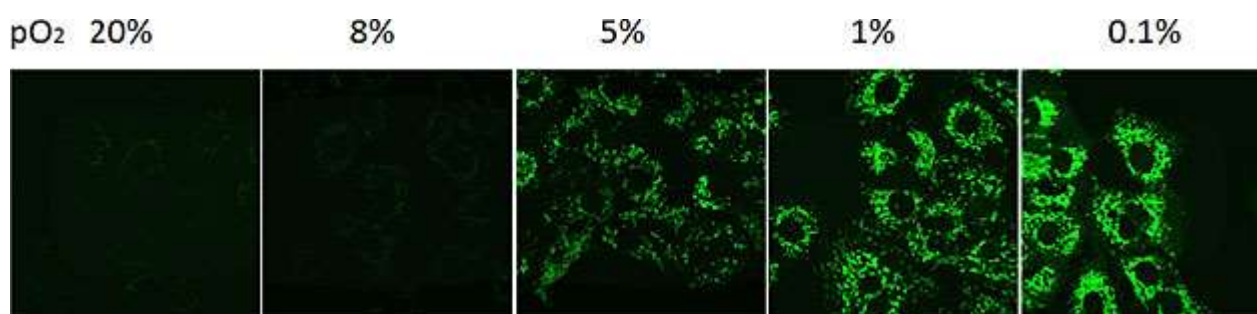


For research use only

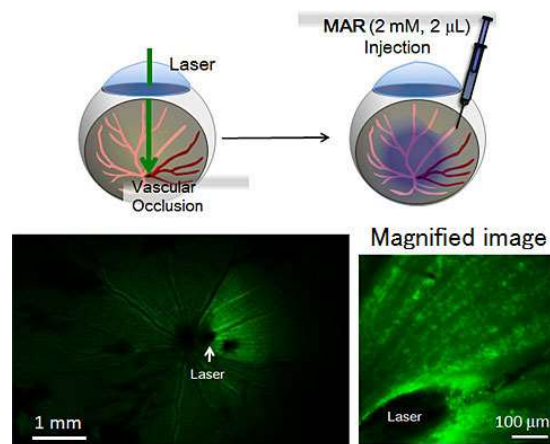
MAR™

Catalog no.	Product name	Amount	Storage upon receipt	Stability
A101-01	MAR™	25µg × 5	≤-20° C, desiccate and protect from light.	1 year (when unopened and stored as described.)

MAR is a fluorescent imaging probe for the detection of hypoxia. Fluorescence increases under hypoxic conditions with **MAR**. **MAR** is able to work through a wide range of pH and to detect mild hypoxia, in which O₂ density is around 5%, in living cells.



Fluorescent imaging of A549 cell under the various concentration of oxygen.



Retinal artery occlusion was induced in rat retina by laser irradiation. The fluorescent image was captured. An increase in the fluorescent intensity of MAR is observed specifically in the part of the retina where the occlusion and hypoxic event occurred. (Data kindly provided by Prof. Toru Nakazawa, Dr. Yuji Tanaka and Dr. Satoshi Tsuda).