



Titre: Title:	Image- and fluorescence-based test shows oxidant-dependent damages in red blood cells and enables screening of potential protective molecules
Auteurs: Authors:	Manon Bardyn, Jérôme Allard, David Crettaz, Benjamin Rappaz, Gerardo Turcatti, Jean-Daniel Tissot, & Michel Prudent
Date:	2021
Туре:	Article de revue / Article
Référence: Citation:	Bardyn, M., Allard, J., Crettaz, D., Rappaz, B., Turcatti, G., Tissot, JD., & Prudent, M. (2021). Image- and fluorescence-based test shows oxidant-dependent damages in red blood cells and enables screening of potential protective molecules. International Journal of Molecular Sciences, 22(8), 4293 (14 pages). https://doi.org/10.3390/ijms22084293

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Version:	Matériel supplémentaire / Supplementary material Révisé par les pairs / Refereed
PolyPublie URL:	

Document publié chez	l'éditeur officiel	
Document issued by the official	cial publisher	

Titre de la revue: Journal Title:	International Journal of Molecular Sciences (vol. 22, no. 8)
Maison d'édition: Publisher:	MDPI
URL officiel: Official URL:	https://doi.org/10.3390/ijms22084293
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Image- and Fluorescence-based Assay to Test Red Blood Cells Sensitivity to Oxidative Stress and Screen Potential Protective Molecules

Manon Bardyn ¹, Jérôme Allard ^{1,2}, David Crettaz ¹, Benjamin Rappaz ³, Gerardo Turcatti ³, Jean-Daniel Tissot ⁴ and Michel Prudent ^{1,4,5*}

- ¹ Laboratoire de Recherche sur les Produits Sanguins, Transfusion Interrégionale CRS, Epalinges, Switzerland
- ² Département de Génie Chimique, École Polytechnique de Montréal, Montréal, Québec, Canada
- ³ Biomolecular Screening Facility (BSF), Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
- ⁴ Faculté de Biologie et de Médecine, Université de Lausanne, Lausanne, Switzerland
- ⁵ Center for Research and Innovation in Clinical Pharmaceutical Sciences, Institute of Pharmaceutical Sciences of Western Switzerland, University Hospital and University of Lausanne, Lausanne, Switzerland

* Correspondence: Michel.Prudent@itransfusion.ch; Tel.: +41-21-333-16-70 (M.P.)



Figure 1. Summary Panel of the Effects on Red Blood Cells (RBCs) of 0, 10, 100 and 1000 µM Ascorbic Acid (AA), Uric Acid (UA), Trolox and Resveratrol against AAPH at Different Concentrations. Timelapse Curves of Average of the Optical Path Difference Distribution (OPD AVG) Parameter Acquired by Digital Holographic Microscopy (DHM). Mean of 3 Red Cell Concentrates with Standard Deviation.



Figure 2. Summary Panel of the Effects on Red Blood Cells (RBCs) of 0, 10, 100 and 1000 µM Ascorbic Acid (AA), Uric Acid (UA), Trolox and Resveratrol against Diamide at Different Concentrations. Timelapse Curves of Average of the Optical Path Difference Distribution (OPD AVG) Parameter Acquired by Digital Holographic Microscopy (DHM). Mean of 3 Red Cell Concentrates with Standard Deviation.





























Figure S9. Summary Panel of the Effects on Red Blood Cells (RBCs) of 0, 10, 100 and 1000 μ M Ascorbic Acid (AA), Uric Acid (UA), Trolox and Resveratrol against H₂O₂ at Different Concentrations. Timelapse Curves of Fluorescence emission. Mean of 3 Red Cell Concentrates with Standard Deviation.