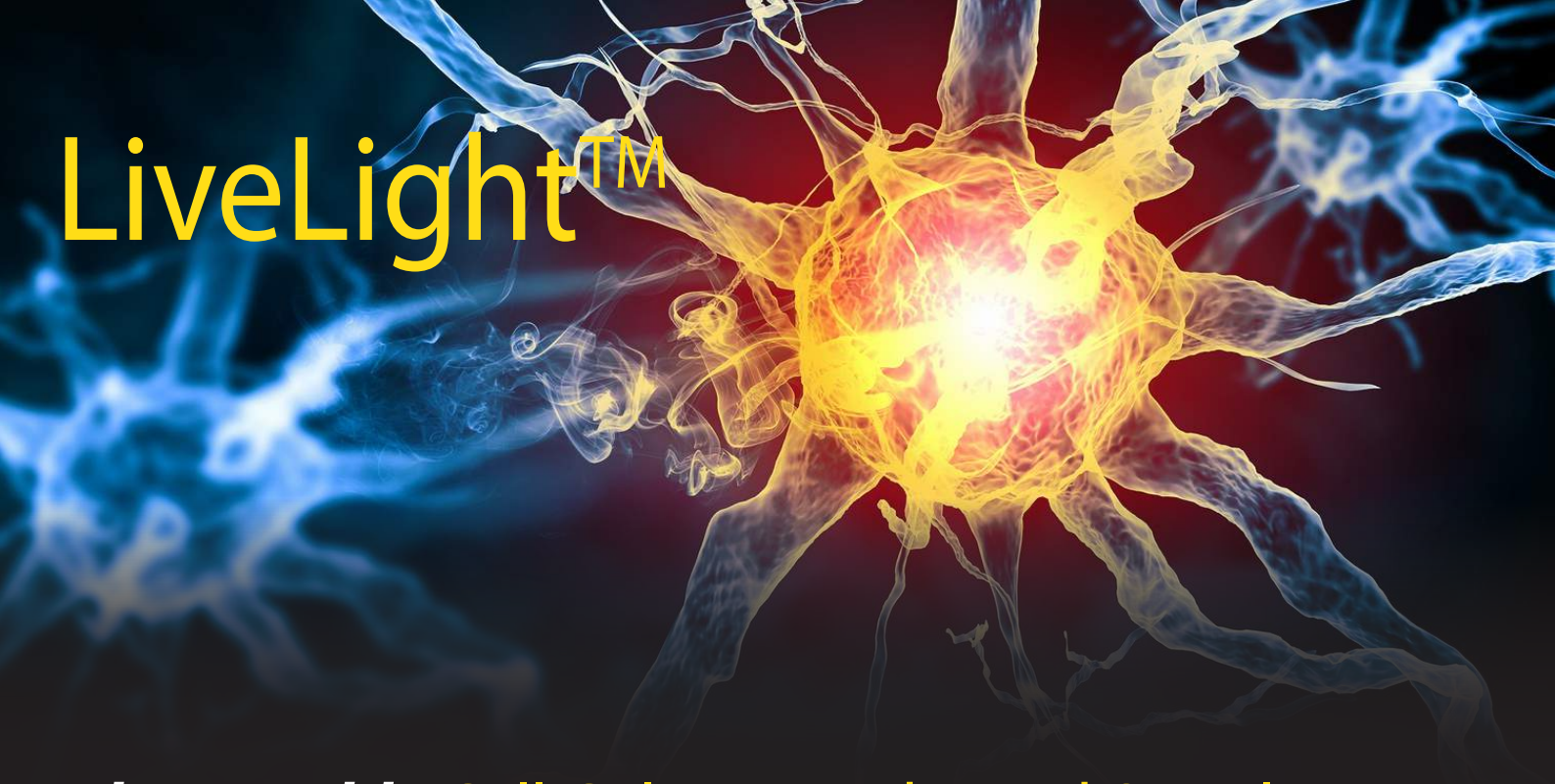


LiveLight™

Photostable Cell Culture Media and Supplements

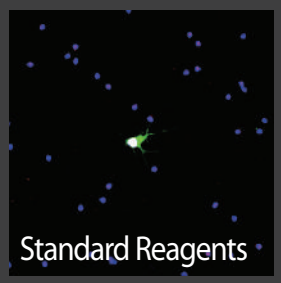
Replace common phototoxic cell culture reagents including DMEM, Neurobasal® and B-27®

LiveLight™ photostable cell culture media and supplements do not become toxic on exposure to light. Even the most sensitive cells can be subjected to intense light exposure.

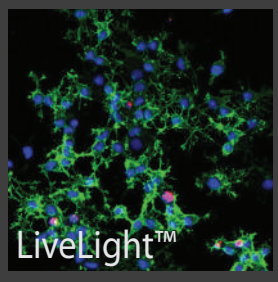
MEMO®	replaces DMEM
NEUMO®	replaces Neurobasal®
SOS®	replaces B-27®

Use LiveLight™ cell culture reagents:

- For Optogenetics, FACS, live cell and calcium imaging, as well as other light-based experiments where cells are exposed to intense/prolonged light.
- Works with a wide range of sensitive cells such as stem cells, oligodendrocyte precursor cells (OPCs) and neurons.



FACS sorted GFP and RFP labeled OPCs



Optogenetic manipulation of OPCs

Engineered to out-perform standard media and supplements in experiments utilizing light.

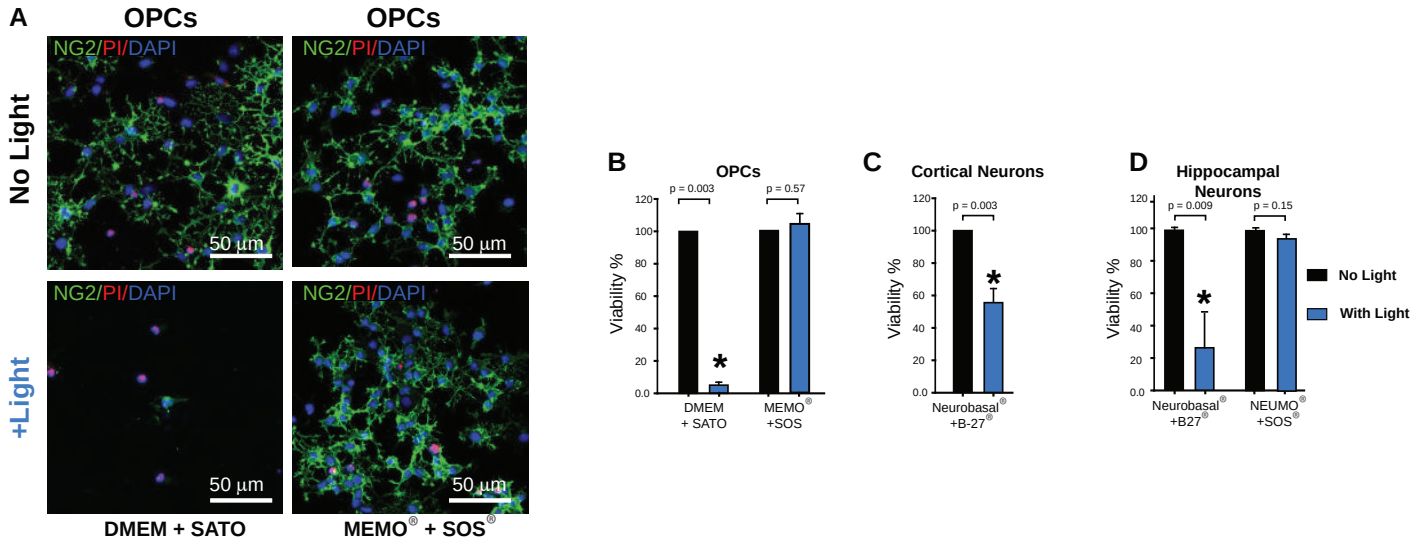


Figure 1. Shining light (470 nm) onto OPCs for optogenetics in standard cell culture media kills almost all cells (A and B) . Using MEMO® and SOS® completely prevents OPC death from optogenetic blue light. Viability is also increased in (C) cortical and (D) hippocampal neurons.

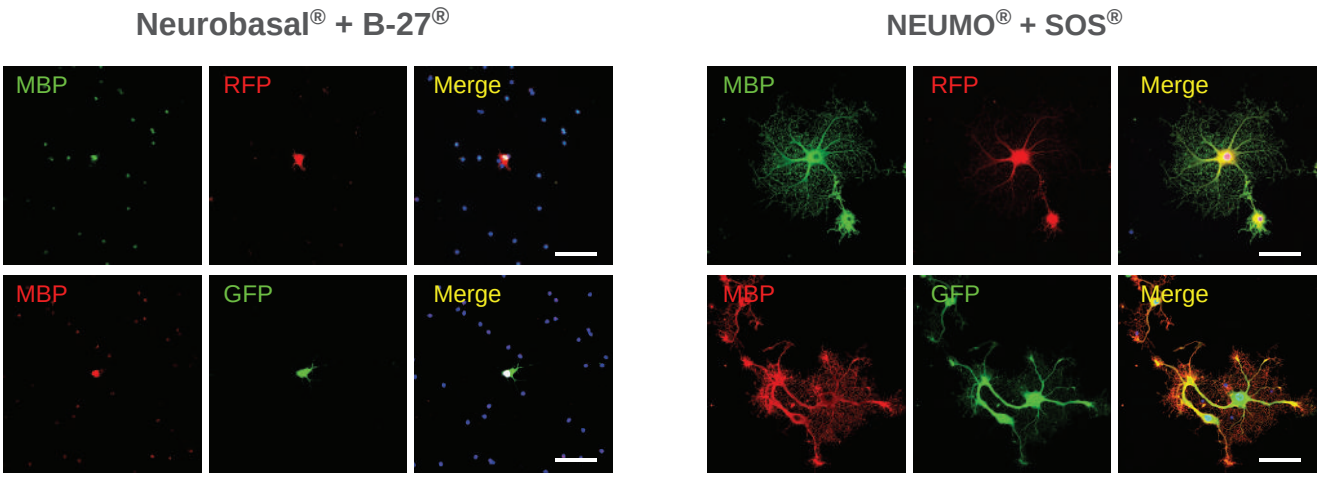


Figure 2. Successful FACS sorting, culturing and differentiation of viable GFP and RFP labelled central nervous system stem cells (OPCs) from adult mouse brain is only achievable with NEUMO® and SOS® compared to Neurobasal® and B-27®. Data courtesy of Abbe Crawford and Prof. Robin Franklin of the Wellcome Trust-MRC Cambridge Stem Cell Institute. Bar = 100 mm.

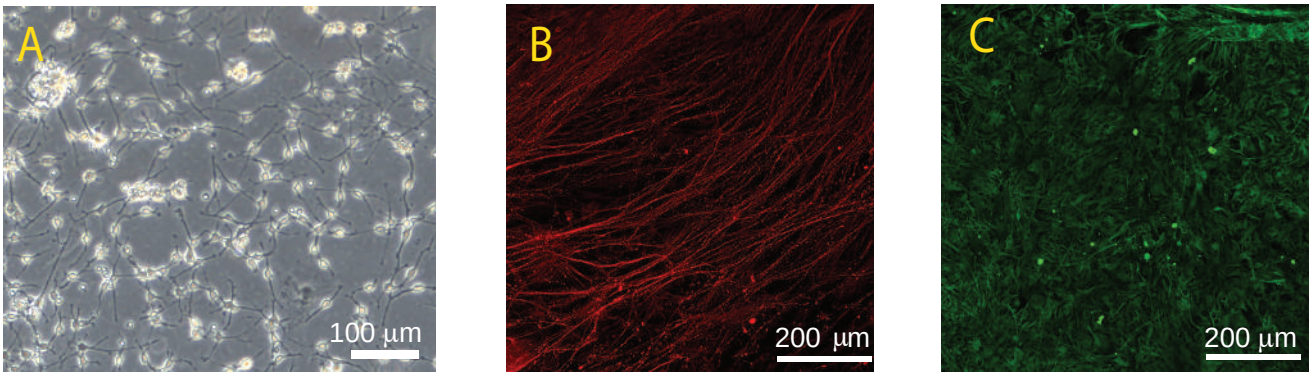


Figure 3. Neuronal cells cultured with SOS®: OPCs (A) - note well-developed projections, neurons (B) and astrocytes (C).

CELL guidance systems

San Diego, CA | Cambridge, UK

www.cellgs.com

Ordering Information

MEMO®	100 ml	M06-100
	500 ml	M06-500
NEUMO®	100 ml	M07-100
	500 ml	M07-500
SOS®	20 ml	M09-20
	50 ml	M09-50