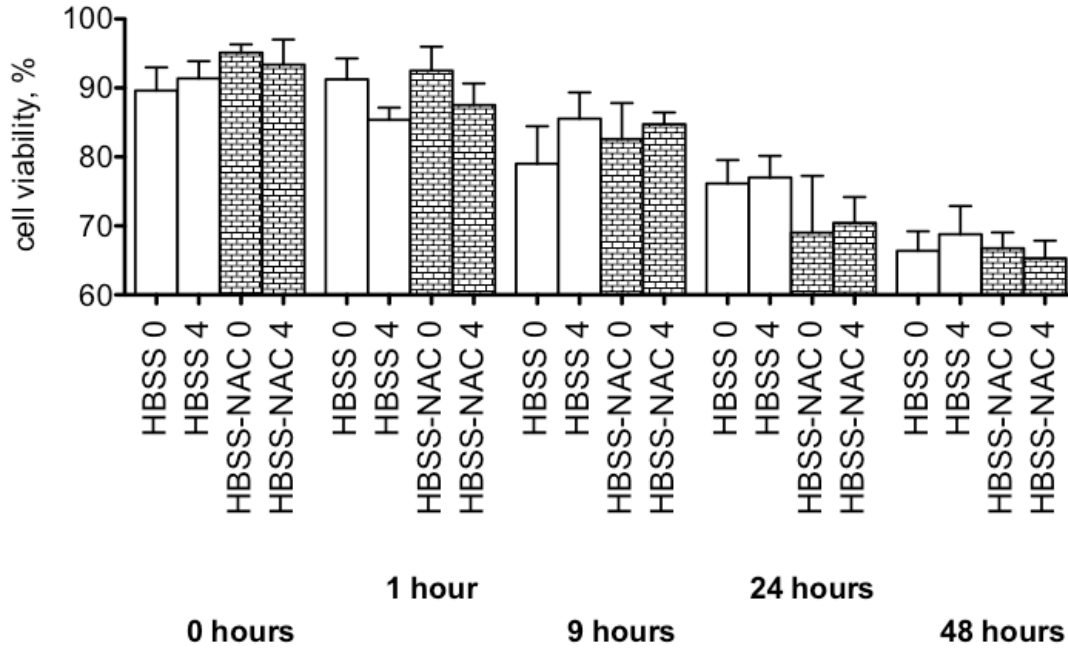


Supplemental Figure 1. The viability of pRPC in HBSS-NAC ($M \pm SEM$). Temperature variation or addition of N-acetyl-L-cysteine had a minimal effect on pRPC survival in suspension in vitro, and the pRPC formulation maintained > 80% viability at 9 hours and >65% viability at 48 hours post formulation.



Supplemental Figure 2. Antibodies used for immunocytochemistry

Antigen	Manufacturer	Catalog number	Dilution
Crx	Bioss	Bs-3798R	1:100
Nrl	Santa Cruz	Sc166087	1:50
Lhx2	Chemicon	AB10557	1:200
Pax6	Hybridoma Markers		1:50
Sox2	Chemicon	AB5603	1:200
Klf4	Chemicon	09-821	1:200
Vimentin	Chemicon	MAB3400	1:500
Ki67	Vector	VP-K452	1:100
Rhodopsin	Chemicon	MABN15	1:500
Recoverin	Chemicon	AB5585	1:500
GFP	Abcam	ab13970	1:500

Supplemental Figure 3. Primers used for RT-PCR.

Target	Forward	Reverse	Amplicon size, bp
Klf4	GCACTGCTCCCGTCCTTCT	TGCTGGACGCAGTGTCTTCTC	69
bActin	CATGTACGTGGCCATCCAGGC	CTCCTTGATGTCCCGCACGAT	250
Recoverin	TTCAAGGAGTACGTCATCGCC	GATGGTCCCGTTGCCGTCC	105
MAP2	CTGCCTTACAGGGTAGCACAA	CTGAGTAGGGCAAACGGCCTG	135
GS	GGTGAGAAAGTCCAAGCCATGT	TTAGTTTCTCGATGGCCTCCTC	766
Vimentin	TCAACACCGAGTTCAAGAACAC	GTTCTTGGCAGCCACACTTTCA	575
M-Opsin	CAGCCGCAGGCCAGCTTTGAG	GGAGCGATGTGGTAGTTGGGG	107
ROM1	TCCCTCCTGCCATTCACTG	CTGAGCTGCATCCAGACTGGC	115
Nrl	GGCTCCACACCCTACAGCTC	GGCCCCTCAACAGGAACTG	212
CRX	CCCCACTACTCCGTCAATGCC	ATCCGGGTACTGGGTCTTGG	171/1323
OTX2	CAACCGCCTTACGCAGTCAA	GGGGTGCAGCAAGTCCATGC	63
GAPDH	GGAGCGAGATCCCGCCAACAT	GGGAGTTGTCATACTTCTCATGG	197
S-Opsin	GAGTATTTGCCTGGTTCCTT	CCTTCTGGGTTGTAGCTGATT	137
mGluR8	CTCCTTCCGACGGATCTTCCTG	CAGGAGCTGGACGGATATGA	181
Rhodopsin	CTTCCCCATCAACTTCCTCA	ACCACCACGTACCGTTCAAT	264
ConeArrestin	CAAGCTCTCCATCTA	CAGATCTTTGCGGAATGTCA	190
Sox2	GCCCTGCAGTACAACCTCCA	GCTGATCATGTCCCGTAGG	216
Pax6	TCCGAGGGGGTCTGTACCAA	TGGGCCTCATCTGAGTCTTC	281