

MSCGlo™-Real Time

Measure MSC Proliferation in Real Time

HemoGenix® is known for its innovative expertise and high quality assays, and the new MSCGlo™-Real Time Assay is no exception.

Benefits of Using MSCGlo™-Real Time

- A bioluminescence signal assay formed when a cell-permeable pro-substrate is added to live MSCs and is reduced to an activated substrate that is used by a specific luciferase to produce luminescence that can be measured in a plate reader.
- The 2 reagents can be added at the start of cell culture or at any time after culture initiation to determine cell growth in real time.
- Alternatively, add the reagents at the end of cell growth as an end-point assay to measure the amount of cell proliferation.
- Use as a stand alone assay or a sentinel assay for large-scale MSC growth.
- As a real time assay, measure MSC doubling time and other cell kinetic parameters.
- Compare the growth of MSCs in real time under different culture conditions, e.g. different media or human platelet lysates (HPLs).
- Luminescence readings can be performed multiple times over a 2-3 days period.
- Multiplex MSCGlo™-Real Time with phenotypic analysis, e.g. CD73, CD90, CD105 and/or CD106) to determine not only the proportion and/or absolute number of MSCs.
- Determine the onset of an effect (e.g. cytotoxicity) by different compounds.
- Can be used in 96-well or 384-well plate formats.
- All kits include your choice of MSCGro™ medium or CRUXRUFA Human Platelet Lysate (HPL) (see over).
- All kits include everything you need. Just add cells.
 - *Medium or HPL.*
 - *96- or 384-well plates (for the latter, please inquire).*
 - *MSCGlo™-Real Time reagents.*
 - *Sterile, adhesive foils to keep unused well sterile.*
 - *Assay manual.*

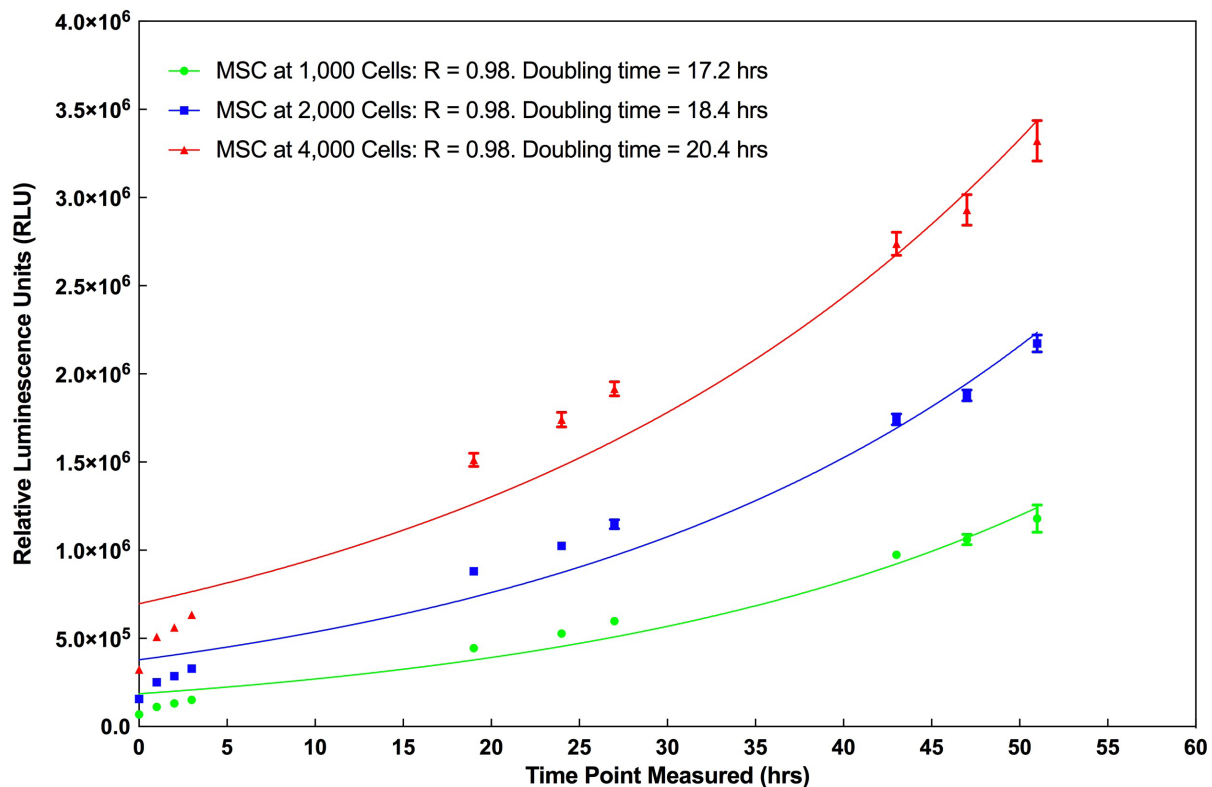


Assays You Can Trust
Innovative Expertise You Can Count On

MSCGro™-Real Time

Human Bone Marrow MSC Growth Kinetics using MSCGro™-Real Time

Fluorochrome-conjugated antibodies can be added to perform phenotypic analysis by flow cytometry



MSCGro™-Real Time Assay Kits Include Your Choice of Medium :

- CRUXRUFA Human Platelet Lysate.
- MSCGro™ Low serum complete for human, primate, rat or mouse.
- MSCGro™ Serum-free, xeno-free complete for human, primate, rat or mouse.
- MSCGro™ Humanized complete.
- MSCGro™ for canine and equine MSCs.

CRUXRUFA Human Platelet Lysate is available in 3 grades: Research, GMP and GMP+Q. All formulations of MSCGro™ medium are also available as 100ml and 500ml bottles.

Available ONLY from HemoGenix®