

# MSCGlo™-96 HuQC

## A Human Mesenchymal Stem / Stromal Cell (MSC) Quality Control Assay for Regenerative Medicine Applications

Mesenchymal stem /stromal cells for regenerative medicine applications must be manufactured to the highest quality. To ensure the highest standards, HemoGenix® developed MSCGlo™-96 HuQC

### Advantages of Using MSCGlo™-96 HuQC

- The only assay that quantitatively measures mesenchymal stem / stromal cell proliferation ability.
- Quantify the quality of MSCs at any passage or stage of manufacture.
- Determine MSC quality pre- and post-cryopreservation.
- Determine the effects of growth factors/cytokines on MSCs growth and differentiation.
- Determine MSC proliferation ability before and after gene targeting.
- Multiplex with flow cytometry and other assays to characterize the MSC sample.
- Assay kits include high performance, low serum, serum-free or humanized MSCGro™ Medium formulations for exceptional MSC growth.
- Incorporates the most accurate and sensitive, non-radioactive ATP-based Luciferin/Luciferase bioluminescence readout available.
- Non-subjective, instrument-based and quantitative assay system.
- Includes standards and controls to calibrate and standardize the assay.
- The intracellular ATP (iATP) (the cell's energy source) biochemical marker is directly proportional to MSC viability, cellular functionality, proliferation and cell number.
- Easily compare results from different manufacturing procedures.
- Always reliable and reproducible results with very low coefficients variation (%CV).
- Detects as few as 500 cells.
- Results usually obtained in 2-4 days.
- Easy to learn, fast to use.
- Replaces the manual and subjective CFU-F assay.

## Only HemoGenix® Brings You Regenerative Medicine-Specific Assays



Assays You Can Trust  
Innovative Expertise You Can Count On

# MSCGlo™-96 HuQC

**MSCGlo™-96 HuQC can be used to quality control MSCs from the following tissues:**

- Bone marrow
- Cord blood
- Wharton's Jelly
- Adipose tissue
- Other sources

**MSCGro™-96 HuQC Assay Kits Contains:**

- MSCGro™ Medium with low serum, serum-free or humanized formulation
- ATP standard
- ATP controls
- ATP Enumeration reagent
- Sterile 96-well plate(s).
- Non-sterile 96-well plate(s)
- Sterile, adhesive foil covers.
- Instruction manual

## MSCGlo™-96 HuQC Assay Kits Available:

Catalog Number	MSCGro™ Medium included:	Kit Size
KLMC-LSQC-1	Low serum	1 x 96-well plate
KLMC-LSQC-2	Low serum	2 x 96 well plates
KLMC-LSQC-4	Low serum	4 x 96-well plates
KLMC-SFQC-1	Serum-free	1 x 96-well plate
KLMC-SFQC-2	Serum-free	2 x 96 well plates
KLMC-SFQC-4	Serum-free	4 x 96-well plates
KLMC-HMQC-1	Humanized	1 x 96-well plate
KLMC-HMQC-2	Humanized	2 x 96 well plates
KLMC-HMQC-4	Humanized	4 x 96-well plates

*Please note that MSCGlo™-96 HuQC should not be used as a potency assay for MSCs prior to use in a patient. To measure MSC potency, HemoGenix® has developed MSCGlo™-96 PRS to help establish an in-house reference standard and MSCGlo™-96 PQR to measure the MSC potency ratio.*



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