Quality Control Assays for Cellular Therapy

A 5-7 Day Stem Cell Quality Control Assay

- **Ensure stem cell quality, number and yield before and after any key cellular therapy preparation process or procedure (e.g. cell fractionation, cryopreservation).**
- **For cord blood, bone marrow, mobilized peripheral blood or purified cells (e.g. $CD34^+$ or $CD133^+$).**
- **Accurate and repeatable single dose, cell proliferation data provides stem cell quality control.**
- **Fully standardized, verified and validated according to FDA Guidelines.**
- **Proficiency testing is completed during assay standardization. No additional costly and time-consuming proficiency testing required.**
- **Measurement assurance parameters provide proficiency and the trust in your results.**
- **Makes "quality" using TNC, viability, CD34 or CFU assays obsolete.**
- **Suspension Expansion Culture™ (SEC™) Technology provides high precision dispensing and makes dispensing methylcellulose obsolete.**
- **96-well plate format means smaller sample and reagent volumes with faster setup.**
- **Short, 5-day incubation. Extend to 7 days for 2-3 fold greater sensitivity.**
- **Let the plate reader acquire and calculate results in 5 minutes or less.**
- **Compare stem cell preparation quality of cell therapy products over time and with other processing laboratories.**
- **Includes everything you need to culture and measure stem cell quality. Just prepare and add cells.**
- **Time efficient and cost-effective.**
- **Easy to learn in just 1 day.**

Quality Control Assay Kits Available

Assay	Cell Population	Tissue[3]	Catalog Number[4]
HALO® QC	SC-GEMM1[1]	UCB, BM, mPB, purified	K2-1QC-1
HALO® QC	SC-HPP2[2] + SC-GEMM1	UCB, BM, mPB, purified	K2-2QC-1

(1) Primitive hematopoietic stem cell population.
(2) Primitive lympho-hematopoietic stem cell population.
(3) UCB = Umbilical cord blood. BM = Bone marrow. mPB = Mobilized peripheral blood.
(4) Also available with serum-free formulation and in bulk. Please inquire.

Preferred Cell Systems™

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