

Stem Cell Quality Assays for Cellular Therapy

A Rapid, High Precision 3-Day Stem Cell Product Quality Assay

- Separate high from low quality stem cell therapeutic products in just 3 days.
- For umbilical cord blood and mobilized peripheral blood units. Can also be used for bone marrow.
- Fresh or frozen samples⁽¹⁾.
- Accurate, single dose, cell proliferation ratio data predicts high from low growth-potential units.
- Fully standardized and validated ATP bioluminescence readout according to FDA Guidelines.
- Proficiency testing performed during the assay standardization procedure. No additional proficiency testing required.
- Measurement assurance parameters provide proficiency and the trust in your results.
- Makes cell quality using TNC, viability, CD34 or CFU assays obsolete.
- Suspension Expansion Culture™ (SEC™) Technology allows automated use of 96-well plates or 384-well plates for true high-throughput capability for large numbers of samples.
- SEC™ Technology means more accurate dispensing, smaller sample and reagent volumes with faster (automated) setup.
- Most rapid stem cell functional assay available.
- Let the plate reader measure and calculate results in 5 minutes or less.
- Everything included in the kit to culture and measure potency. Just prepare and add cell sample.
- Reliable and reproducible results.
- Easy to use, time efficient and cost-effective.
- Learn the assay in 1 day.

Quality Control Assay Kits Available

Assay	Assay Format	Catalog Number ⁽²⁾
STEMpredict™	96-well plate ⁽³⁾	K2-SP-1
STEMpredict™	384-well plate ⁽⁴⁾	K3-SP-1

(1) Please note that frozen samples will a 2-3 fold lower signal than fresh samples.

(2) Also available with serum-free formulation and in bulk. Please inquire.

(3) Assays with 96-well plates can be performed with manual dispensers or with a liquid handler.

(4) To use 384-wll plates, a liquid handler is required.

Preferred Cell Systems™