



Assays-in-a-Box™ by Preferred Cell Systems™

Assay Kits and Reagents for Cellular Therapy Products for the Cell Therapy Processing and Research Laboratory

Benefits of Using Assays and Reagents from Preferred Cell Systems™

- Preferred Cell Systems™ provides the largest number of alternative hematopoietic assays for virtually all aspects of the cell processing and research laboratory.
- From traditional colony-forming unit (CFU) assays to the most innovative, high precision, standardized, validated and cost-effective assays available.
- Choose between traditional manual assays or instrument-based and high throughput assays. Preferred Cell Systems has them all!
- Update and improve routine cell testing and research of cellular therapy products with instrument-based assay platforms.
- Incorporate a family of assays in the laboratory that can distinguish between high and low quality tissues, their potency and short and long-term patient engraftment.
- The most advanced instrument-based assays available to measure viability and proliferation potential of rare, lympho-hematopoietic stem cells.
- Choose between instrument-based assays that incorporate either an ATP bioluminescence, fluorescence or absorbance readout for any plate reader available.
- All instrument-based assays incorporate proprietary Suspension Expansion Culture™ (SEC™) Technology, instead of methylcellulose, to provide the greatest precision using normal pipettes and high-throughput capability.
- All instrument-based assays are easy to learn (less than 1 day) and rapid to use.
- Results in 5-7 days, depending on the assay type.
- All kits include everything needed to perform the assay. Just add cells!
- Fast, efficient and cost-effective.

Overview of Cellular Therapy Assay and Reagent Products

| Assay Family | Assay Name | Description | Variations | Availability as: |
|-------------------------------|-----------------------|--|---|---|
| Methylcellulose Assays | AllColonies™ | Detection of primitive lympho-hematopoietic stem cells | AllColonies™ Traditional AllColonies™ Micro AllColonies™ Multi | 35mm Petri dish assay. Miniature assay. 96-well plate ATP assay |
| | ColonyGro™ | Detection of hemopoietic progenitor cells | Traditional CFU assay | 35mm Petri Dish format |
| | CAMEO™-4 | Detection of hemopoietic progenitor cells | Miniaturized CFU assay | 4-well 35mm Petri dish |
| Cell Expansion Media | CellExpand™ | Lympho-hematopoietic cell expansion reagents | For multiple populations | 40mL read-to-use reagents |
| HALO® Assays | STEMpredict™ | 3-day stem cell triage quality assay | 96- or 384-well assay | ATP standardized bioluminescence |
| | HALO® QC | Cell processing quality assay | 1 or 2 stem cell assay | 96-well, ATP standardized bioluminescence |
| | HALO® SC-IPS | Cell potency assay | 2 stem cell assay | 96-well, ATP standardized bioluminescence |
| | HALO® TE | Time to engraftment assay | Erythroid, granulocyte, platelet | 96-well, ATP standardized bioluminescence |
| | HALO® PMT "Global" | Patient Monitoring after Transplantation | 4-Population 5-Population 7-Population | 96-well, ATP standardized bioluminescence |
| HemoGLO™ Assays | HemoGLO™ PCA | Progenitor Cell Assays | 96-well | ATP bioluminescence (optional standardization) |
| | HemoGLO™ TE | Time to engraftment assay | Erythroid, granulocyte, platelet | 96-well, ATP bioluminescence (optional standardization) |
| | HemoGLO™ PMT "Global" | Patient Monitoring after Transplantation | 4-Population 5-Population 7-Population | 96-well, ATP bioluminescence (optional standardization) |
| HemoFLUOR™ | HemoFLUOR™ PCA | Progenitor Cell Assays | 96-well | Fluorescence |

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|-------------------|-------------------------|--|--|-----------------------|
| | HemoFLUOR™ TE | Time to engraftment assay | Erythroid, granulocyte, platelet | 96-well, fluorescence |
| | HemoFLUOR™ PMT "Global" | Patient Monitoring after Transplantation | 4-Population 5-Population 7-Population | 96-well, fluorescence |
| | MultiCellGro™ | Detection of primitive lympho-hematopoietic stem cells | | 96-well, fluorescence |
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| HemoLIGHT™ | HemoLIGHT™ PCA | Progenitor Cell Assays | 96-well | Absorbance |
| | HemoLIGHT™ TE | Time to engraftment assay | Erythroid, granulocyte, platelet | 96-well, absorbance |
| | HemoLIGHT™ PMT "Global" | Patient Monitoring after Transplantation | 4-Population 5-Population 7-Population | 96-well, absorbance |