

## Acquire Fast and Accurate Cell Counts for Stem Cell Viability and Proliferation



### Cellometer for Stem Cell Generation

- Use only 20  $\mu$ L per sample
- Count nucleated live/dead cells
- Measure cell viability
- Count cells without performing RBC lysis

## A Cellometer Journey – Cell Count and Viability – From Primary Bone Marrow Samples to Purified HPC Stem Cells

### Nucleated Cells in Bone Marrow

Total number nucleated cells in bone marrow can be measured using acridine orange (AO) staining without RBC lysis.

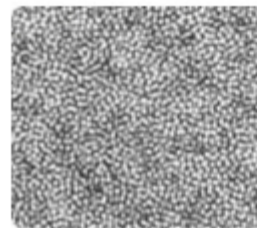
### Human Hematopoietic Primary Cells

HPC, human hematopoietic primary cells are isolated from peripheral blood, bone marrow or cord blood stained with AO/PI to determine concentration and cell viability.

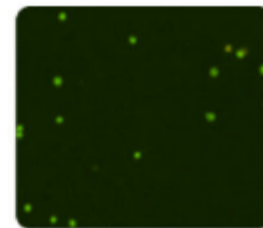
### Isolated Mononuclear Cells

Determine cell concentration and viability of isolated mononuclear cells using AO/PI.

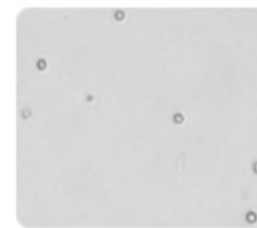
Non-Lysed  
Bright Field Image



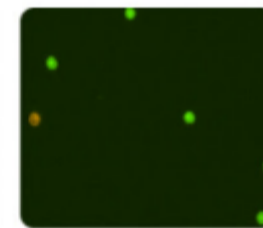
AO Stained  
Nucleated Cells



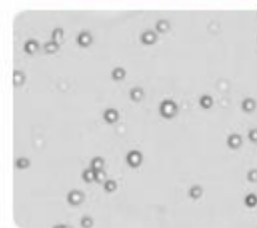
Purified  
CD34+ HPC



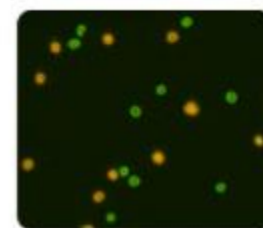
AOPI  
Stained HPC



Isolated  
Mononuclear Cells



AOPI  
Stained Cells



**Contate-nos para maiores informações!**