

## Cell Proliferation/Toxicity/HUVEC Assays

Multiple cell lines have been assayed at Marin Biologic Laboratories in proliferation/toxicology assays. Two main assays are used "Alamar blue" and "Cell Titer Glo". Both assays are designed to measure quantitatively the proliferation of various human and animal cell lines. Both assays are simple to perform since cell washing, removal of medium or multiple pipetting steps are not required.

AlamarBlue detects the reductive environment inside healthy cells.  
CellTiter-Glo® (Promega) measures intracellular ATP, a sign of metabolically active cells.

We developed this method to measure factor dependent proliferation and inhibition of slow growing human umbilical vein endothelial cells (HUVEC).

### Inhibition of HUVEC growth by an antibody to VEGF, Vascular Endothelial Growth Factor

#### HUVEC Growth Inhibition

EC50 = 0.0403 ug/mL

R2 = 0.9884

