

Cell proliferation

Cell proliferation assay with Cyquant: Anitua et al. (2011). Plasma Rich in Growth Factors (PRGF-Endoret) Stimulates Proliferation and Migration of Primary Keratocytes and Conjunctival Fibroblasts and Inhibits and Reverts TGF- β 1-Induced Myodifferentiation. *IOVS* 52 (9) [Read more](#)

Reactive Oxygen Species

Nitrosating species assay with DAN: Oelze et al. (2011). Regulation of Human Mitochondrial Aldehyde Dehydrogenase (ALDH-2) Activity by Electrophiles in Vitro. *The Journal of Biological Chemistry* 286, 8893-8900 [Read More](#)

Enzyme kinetics

Proteasomal activity assay: Berthet et al. (2012). L-DOPA Impairs Proteasome Activity in Parkinsonism through D1 Dopamine Receptor. *The Journal of Neuroscience* 32(2), 681-691 [Read more](#)

DNA Quantification

Parasite growth with SYBR Green: Wein et al. (2010). Reliability of Antimalarial Sensitivity Tests Depends on Drug Mechanisms of Action. *Journal of Clinical Microbiology* 48 (5), 1651-1660 [Read more](#)

Immunoassays

CD11 immunoassay with Alexa Fluor: Lau et al. (2005). Myeloperoxidase mediates neutrophil activation by association with CD11b/CD18 integrins. *PNAS* 102 (2), 431-436 [Read more](#)

Binding studies

Beta-amyloid assay with ThioflavinT: Kokkoni et al.(2006). N-Methylated peptide inhibitors of beta-amyloid aggregation and toxicity. Optimization of the inhibitor structure. *Biochemistry* 45 (32), 9906-18 [Read more](#)

Further Applications

Drug screening - Environmental toxins - FRET - Phagocytosis - Protein Concentration - Reporter Gene Assays