



## Dynamica absorbance microplate reader application

- ELISAs
- Protein and cell growth assays
- Enzyme activity
- Cytotoxicity
- Immunoassays

### Microplate-Based Assays

Assays	Ledetect 96	HALO MPR-96 (400-750 nm)	HALO MPR-96 (400-750 nm) with temp. module	HALO MPR-96 (340-750 nm)	HALO MPR-96 (340-750 nm) with temp. module
Endpoint assays	✓	✓	✓	✓	✓
Kinetic assays	✓	✓	✓	✓	✓
ELISA/immunoassays	✓	✓	✓	✓	✓
<b>Protein assays</b>					
Bradford, BCA, Lowry	✓	✓	✓	✓	✓
<b>Reporter genes</b>					
alk. phos., beta-galactosidase	✓	✓	✓	✓	✓
beta-lactamase	✓	✓	✓	✓	✓
<b>Cell viability/proliferation/death</b>					
MTT, XTT, Crystal Violet, SRB, Alamar Blue	✓	✓	✓	✓	✓
LDH/dehydrogenase	✓			✓	✓

**Enzyme assays**

superoxide (cytochrome c)	✓	✓	✓	✓	✓
protease activity	✓	✓	✓	✓	✓
microtubule association	✓	✓	✓	✓	✓
coagulation factors	✓	✓	✓	✓	✓
proteases	✓	✓	✓	✓	✓
NADH	✓			✓	✓
GST	✓	✓	✓	✓	✓

**Other**

Phosphatases/Kinases	✓	✓	✓	✓	✓
Microbial growth	✓	✓	✓	✓	✓
Endotoxin endpoint colorimetric	✓	✓	✓	✓	✓
Nitric oxide (nitrate/nitrite)	✓	✓	✓	✓	✓
Cell adhesion	✓	✓	✓	✓	✓