Assay Interference Mechanisms

"Bad" Compounds

Non-technology related interferences

Technology-related Interferences

Compounds that interfere with assay methods

Nonspecific reactivity

Metals

Surfactants

Impurities

Aggregation

Chelation

Redox

Cytotoxicity

Light Scattering

$^1O_2$ quenching

Absorbance

Quenching

Auto-fluorescence

Chelation

Reagent mimetics

Reporter Stabilization

"Desired" compounds can also interfere

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