

Microplate Reader Application Compatibility

Reference Guide

Quick reference for assay compatibility across the TriStar 3, TriStar 5, Apollo, Centro and Centro XS microplate reader platforms. Use the tables below to identify the best instrument for your application.

Nucleic Acid Concentration

Assay	TriStar 3	TriStar 5	Apollo	Centro	Centro XS
DNA, RNA, oligos (A260)	✓	✓	✓	—	—
A260/A280	✓	✓	✓	—	—
Low volume DNA samples (2 µL)	—	✓	—	—	—
RiboGreen®, PicoGreen®, OliGreen®	✓	✓	—	—	—
Quant-iT™ RNA	✓	✓	—	—	—

Cell Viability, Proliferation and Death

Assay	TriStar 3	TriStar 5	Apollo	Centro	Centro XS
MTT, XTT, Crystal Violet, SRB	✓	✓	✓	—	—
Fluorescent Live/Dead kits, Alamar Blue	✓	✓	—	—	—
Calcein AM, CyQUANT®	✓	✓	—	—	—
SYTOX® Green, ethidium homodimer	✓	✓	—	—	—

HTS Assays

Assay	TriStar 3	TriStar 5	Apollo	Centro	Centro XS
ABEL® Luminescent antioxidant test	✓	✓	—	✓	✓

Adapta™	—	✓	—	—	—
AlphaScreen®	—	✓	—	—	—
ATP bioluminescence	✓	✓	—	✓	✓
DELFI A®	—	✓	—	—	—
DLR™	✓	✓	—	✓	✓
Dual-Glo™	✓	✓	—	✓	✓
GeneBLAzer™	✓	✓	—	—	—
HitHunter® (luminescence)	✓	✓	—	✓	✓
HitHunter® (FP)	—	*	—	—	—
HTRF®	—	✓	—	—	—
Intracellular calcium (Ca ²⁺ assay)	✓	✓	—	✓	✓
Ion Channel - VSP	—	✓	—	—	—
LanthaScreen®	—	✓	—	—	—
MycoAlert™	✓	✓	—	✓	✓
P450-Glo™	✓	✓	—	✓	✓
PKLight®	✓	✓	—	✓	✓
PolarScreen™	—	*	—	—	—
Predictor™	✓	✓	—	—	—
Transcreener® FI	✓	✓	—	—	—
Transcreener® TR-FRET	—	✓	—	—	—
Transcreener® FP	—	*	—	—	—
Z'-Lyte	✓	✓	—	—	—

✓ = Compatible * = Not enough data. Please inquire. — = Not supported

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