

CHEMILUMINESCENT HYDROGEN PEROXIDE DETECTION KIT LAYOUT SHEET

for use with Assay Designs' Catalog No. 907-012

• **DILUTION TABLES FOR MAKING STANDARDS:**

Buffer Assay:

Std	Buffer Vol. (μL)	Vol. Added (μL)	H ₂ O ₂ Conc. (ng/mL)
1	975	25, Stock	2,500
2	750	250, Std. 1	625
3	750	250, Std. 2	156.25
4	750	250, Std. 3	39.06
5	750	250, Std. 4	9.77
6	750	250, Std. 5	2.44

*** Tissue Culture Media Assay:**

Std	TCM Vol. (μL)	Vol. Added (μL)	H ₂ O ₂ Conc. (ng/mL)
1	900	100, Stock	10,000
2	750	250, Std. 1	2,500
3	750	250, Std. 2	625
4	750	250, Std. 3	156.25
5	750	250, Std. 4	39.06

* **NOTE:** Tissue Culture Media without phenol red or other color indicators is recommended for use in this assay.

Phenol red has been shown to interfere.

• **ASSAY PROTOCOL FLOW CHART:**

Well I.D.:	(Zero Std.) Blank A1, A2	Stds. A3 - B2	Samples B3 - H12
Standard and / or Sample	---	50μL	50μL
Diluent	50μL	---	---
Substrate	50μL	50μL	50μL
Tap plate or shake gently for 10 seconds.			
Place in plate Luminometer.			
Trigger	50μL/well, read for 5 seconds with no delay between injection and measurement.		

• **CHEMILUMINESCENT HYDROGEN PEROXIDE PLATE LAYOUT:**

A1 Blank	A2 Blank	A3 Std. 1	A4 Std. 1	A5 Std. 2	A6 Std. 2	A7 Std. 3	A8 Std. 3	A9 Std 4	A10 Std 4	A11 Std 5	A12 Std 5
B1 Std 6	B2 Std 6	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12
H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12

Kit Lot No. _____ Exp. Date _____ Date _____ Tech. _____

1st Incub.: Time _____ Temp. _____ Notes: _____

