

sPLA₂ ASSAY LAYOUT SHEET

for use with Assay Designs' Catalog No. 907-002 (formerly 90702)

● **DILUTION TABLE FOR MAKING STANDARDS 1-5:**

Std.	Assay Buffer Vol. (μL)	Vol. Added (μL)	sPLA ₂ Conc. (U/mL)
1	950	50, Stock	80
2	500	500, Std. 1	40
3	500	500, Std. 2	20
4	500	500, Std. 3	10
5	500	500, Std. 4	5

● **ASSAY PROTOCOL FLOW CHART:**

Well I.D.:	Blank <u>A1, B1</u>	Stds. <u>C1 - D2</u>	Samples <u>E2 - H12</u>
Standard and/or Reaction Buffer	---	50μL	50μL
Substrate	150μL	100μL	100μL
Mix well	50μL	50μL	50μL
Incub. 30 min. @ 37°C	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Stop Solution	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Color Reagent	25μL	25μL	25μL
Mix well	25μL	25μL	25μL
Incub. 10 min. @ RT	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Read at 405nm	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒

• **sPLA₂ PLATE LAYOUT:**

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

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

1st Incub.: Start Time _____ Temp. _____ Notes: _____
 End Time _____ Temp. _____
 2nd Incub.: Start Time _____ Temp. _____
 End Time _____ Temp. _____