

**OXYTOCIN ASSAY LAYOUT SHEET**  
for use with Assay Designs' Catalog No. 900-153 and 901-153

• **DILUTION TABLE FOR MAKING STANDARDS 1-7:**

Std.	Assay Buffer Vol. ( $\mu\text{L}$ )	Vol. Added ( $\mu\text{L}$ )	Oxytocin Conc. (pg/mL)
1	900	100, Stock	1,000
2	500	500, Std. 1	500
3	500	500, Std. 2	250
4	500	500, Std. 3	125
5	500	500, Std. 4	62.5
6	500	500, Std. 5	31.2
7	500	500, Std. 6	15.6

• **ASSAY PROTOCOL FLOW CHART:**

Well I.D.:	Blank A1, B1	TA C1, D1	NSB E1, F1	Bo G1, H1	Stds. A2 - F3	Samples G3 - H12
Standard Diluent	---	---	100 $\mu\text{L}$	100 $\mu\text{L}$	---	---
Assay Buffer	---	---	50 $\mu\text{L}$	---	---	---
Std. and/or Sample	---	---	---	---	100 $\mu\text{L}$	100 $\mu\text{L}$
Conjugate	---	---	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$
Antibody	---	---	---	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$
Incub. overnight @ 4°C	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Asp. & Wash 3 x 200 $\mu\text{L}$	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Conjugate	---	5 $\mu\text{L}$	---	---	---	---
Substrate	200 $\mu\text{L}$	200 $\mu\text{L}$	200 $\mu\text{L}$	200 $\mu\text{L}$	200 $\mu\text{L}$	200 $\mu\text{L}$
Incub. 1 hour @ RT	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒	⇒⇒⇒⇒
Stop Solution	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$	50 $\mu\text{L}$

• **OXYTOCIN PLATE LAYOUT:**

A1 Blank	A2 Std 1	A3 Std 5	A4	A5	A6	A7	A8	A9	A10	A11	A12
B1 Blank	B2 Std 1	B3 Std 5	B4	B5	B6	B7	B8	B9	B10	B11	B12
C1 TA	C2 Std 2	C3 Std 6	C4	C5	C6	C7	C8	C9	C10	C11	C12
D1 TA	D2 Std 2	D3 Std 6	D4	D5	D6	D7	D8	D9	D10	D11	D12
E1 NSB	E2 Std 3	E3 Std 7	E4	E5	E6	E7	E8	E9	E10	E11	E12
F1 NSB	F2 Std 3	F3 Std 7	F4	F5	F6	F7	F8	F9	F10	F11	F12
G1 Bo	G2 Std 4	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12
H1 Bo	H2 Std 4	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12

Kit Lot No. \_\_\_\_\_ Exp. Date \_\_\_\_\_ Date \_\_\_\_\_ Tech. \_\_\_\_\_

1st Incub.: Start Time \_\_\_\_\_ Temp. \_\_\_\_\_

End Time \_\_\_\_\_ Temp. \_\_\_\_\_

2nd Incub.: Start Time \_\_\_\_\_ Temp. \_\_\_\_\_

End Time \_\_\_\_\_ Temp. \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_