

Monobind Assay Types

With CLIA methodology: No stop solution, and reduced incubation times.



*After Extraction (If Required)

ASSAY SUMMARY

DIAGNOSTIC AREA	ANALYTE	ITEM#	ASSAY TYPE	PLATE SYSTEM		BINDING		STEPS		SAMPLE VOL µl	SAMPLE DILUTION	ELISA SUB	ELISA MANUAL INCUBATION TIME	CLIA MANUAL INCUBATION TIME
				Ab/Ag	STREPT	COMP	SAND	1-EQUIL	2-SEQU					
ALLERGY & ANEMIA														
1	IgE	2500	4	-	S	-	Sa	-	2S	25	-	A + B	30+30+15 Min	30+30+5 Min
2	Ferritin	2800	4	-	S	-	Sa	-	2S	25	-	A + B	30+30+15 Min	30+30+5 Min
3	Folate	7500	8	-	S	C	-	1E	-	50	-	Sn	45+20 Min	45+5 Min
4	Folate & Vit B12	7800	8&9	-	S	C	-	1E	2S	50	-	Sn	Fol: 45+20 Min Vit B12: 45+30+20 Min	Fol: 45+5 Min Vit B12: 45+30+5 Min
5	sTFR	8600	4	-	S	-	Sa	-	2S	10	-	Sc	45+30+15 Min	30+30+5 Min
6	Vitamin B12	7600	9	-	S	C	-	-	2S	50	-	Sn	45+30+20Min	45+30+5Min
BONE METABOLISM														
7	Calcitonin	9300	2	Ab	-	-	Sa	1E	-	50	-	Sn	60+20 Min	45+5 Min
8	PTH Intact	9000	2	Ab	-	-	Sa	1E	-	50	-	Sn	60+20 Min	45+5 Min
9	PTH Whole & Intact	10000	2	Ab	-	-	Sa	1E	-	50 each	-	Sn	PTH Intact: 60+20 Min PTH Whole: 75+20 Min	PTH Intact: 45+5 Min PTH Whole: 60+5 Min
10	Vitamin D Direct	9400	6	Ab	-	C	-	-	2S	25	-	Sn	30+30+20 Min	30+30+5 Min
CANCER MARKERS														
11	AFP	1900	3	-	S	-	Sa	1E	-	25	-	A + B	60+15 Min	45+5 Min
12	AFP, CEA, PSA	8400	3	-	S	-	Sa	1E	-	25 each	-	A + B	60+15 Min	45+5 Min
13	CA-125	3000	3	-	S	-	Sa	1E	-	25	-	A + B	60+15 Min	45+5 Min
14	CA 15-3	5600	4	-	S	-	Sa	-	2S	25	1:21	Sn	60+60+20 Min	30+45+5 Min
15	CA 19-9	3900	4	-	S	-	Sa	-	2S	25	-	A + B	60+60+15 Min	30+45+5 Min
16	CEA/CEA Nxt Gen	1800 4600	3	-	S	-	Sa	1E	-	25	-	A + B	60+15 Min	45+5 Min
17	βhCG	10200	4	-	S	-	Sa	-	2S	25	1:100	A + B	30+30+15 Min	30+30+5 Min
18	PSA/PSA XS	2100 8700	3	-	S	-	Sa	1E	-	25	-	A + B	30+15 Min	30+5 Min
19	Free PSA	2300	3	-	S	-	Sa	1E	-	50	-	A + B	60+15 Min	45+5 Min
CARDIAC MARKERS														
20	DIG	900	7	-	S	C	-	1E	-	25	-	A + B	30+15 Min	30+5 Min
21	CKMB	2900	3	-	S	-	Sa	1E	-	25	-	A + B	15+15 Min	15+5 Min
22	cTnl	3800	2	Ab	-	-	Sa	1E	-	25	-	A + B	15+15 Min	15+5 Min
23	HS-CRP	3100	3	-	S	-	Sa	1E	-	25	1:200	A + B	15+15 Min	15+5 Min
24	Myoglobin	3200	3	-	S	-	Sa	1E	-	25	-	A + B	15+15 Min	15+5 Min
DIABETES														
25	C-peptide	2700	3	-	S	-	Sa	1E	-	50	-	A + B	120+15 Min	60+5 Min
26	C-peptide & Insulin	7300	3	-	S	-	Sa	1E	-	50 each	-	A + B	120+15 Min	60+5 Min
27	Insulin	2400	3	-	S	-	Sa	1E	-	50	-	A + B	120+15 Min	60+5 Min
28	Insulin Rapid	5800	3	-	S	-	Sa	1E	-	50	-	Sn	60+15 Min	NA
ENDOCRINE														
29	ACTH	10600	2	Ab	-	-	Sa	1E	-	50	-	Sn	60+20 Min	45+5 Min
30	Aldosterone	10100	9	-	S	C	-	-	2S	25	-	Sn	15+45+20 Min	15+45+5 Min

ASSAY SUMMARY

DIAGNOSTIC AREA	ANALYTE	ITEM#	ASSAY TYPE	PLATE SYSTEM		BINDING		STEPS		SAMPLE VOL μ l	SAMPLE DILUTION	ELISA SUB	ELISA MANUAL INCUBATION TIME	CLIA MANUAL INCUBATION TIME
				Ab/Ag	STREPT	COMP	SAND	1-EQUIL	2-SEQU					
FERTILITY & PRENATAL														
31	AMH	9700	2	Ab	-	-	Sa	1E	-	50	-	A + B	60+20 Min	60+5 Min
32	hCG	800	3	-	S	-	Sa	1E	-	25	-	A + B	60+15 Min	45+5 Min
33	hCG Ext. Range	8800	3	-	S	-	Sa	1E	-	25	-	A + B	20+15 Min	20+5 Min
34	hCG Rapid	3300	2	Ab	-	-	Sa	1E	-	25	-	SC	10+5 Min	NA
35	hCG, FSH, LH, PRLs	8300	3 & 4	-	S	-	Sa	1E	2S	hCG/PRLs: 25 LH/FSH: 50	-	A + B	hCG:20+15 Min LH/FSH:60+15 Min PRLs:30+30+15 Min	hCG:20+5 Min LH/FSH:45+5 Min PRLs:30+30+5 Min
36	FSH	400	3	-	S	-	Sa	1E	-	50	-	A + B	60+15 Min	45+5 Min
37	LH	600	3	-	S	-	Sa	1E	-	50	-	A + B	60+15 Min	45+5 Min
38	PAPP-A	12600	6	Ab	-	-	Sa	2S	10	-	-	Sn	30 + 30 +20 Min	30+30+5 Min
39	PRL	700	3	-	S	-	Sa	1E	-	25	-	A + B	60+15 Min	45+5 Min
40	PRL Sequ.	4400	4	-	S	-	Sa	2S	25	-	-	A + B	30+30+15 Min	30+30+5 Min
41	AFP, hCG, uE3	8500	3 & 7	-	S	C	Sa	1E	-	25 each	-	A + B	60+15 Min	45+5 Min
GROWTH DEFICIENCY														
42	hGH	1700	3	-	S	-	Sa	1E	-	50	-	A + B	60+15 Min	45+5 Min
INFECTIOUS DISEASES														
43	Anti-H. Pylori IgA	1600	1	-	S	-	Sa	-	2S	50	1:100	A + B	60+30+15 Min	45+30+5 Min
44	Anti-H. Pylori IgG	1400	1	-	S	-	Sa	-	2S	25	1:100	A + B	60+30+15 Min	45+30+5 Min
45	Anti-H. Pylori IgM	1500	1	-	S	-	Sa	-	2S	50	1:100	A + B	60+30+15 Min	45+30+5 Min
46	Anti-SARS-CoV-2 IgA	11800	10	Ag	-	-	Sa	-	2S	100	1:100	Sn	30+30+15 Min	30+30+5 Min
47	Anti-SARS-CoV-2 IgG	11900	10	Ag	-	-	Sa	-	2S	100	1:100	Sn	30+30+15 Min	30+30+5 Min
48	Anti-SARS-CoV-2 S1-RBD IgG	12500	10	Ag	-	-	Sa	-	2S	100	1:100	Sn	30+30+15 Min	NA
49	Anti-SARS-CoV-2 IgM	11700	10	Ab	-	-	Sa	-	2S	100	1:100	Sn	30+30+20 Min	30+30+5 Min
50	D-Dimer	12000	4	Ab	-	-	Sa	-	2S	25	-	A + B	20+20+15 Min	20+20+5 Min
51	PCT	9200	2	Ab	-	C	-	-	2S	50	-	Sn	30 + 15 Min	30+5 Min
TORCH														
52	Anti-Toxo IgG	6100	10	Ag	-	-	Sa	-	2S	100	1:100	SC	30+30+15 Min	-
53	Anti-Rubella IgG	6300	10	Ag	-	-	Sa	-	2S	100	1:100	SC	30+30+15 Min	-
54	Anti-CMV IgG	6500	10	Ag	-	-	Sa	-	2S	100	1:100	SC	30+30+15 Min	-
55	Anti-HSV 1&2 IgG	6700	10	Ag	-	-	Sa	-	2S	100	1:100	SC	30+30+15 Min	-
NEONATAL THYROID & ADRENAL														
56	N-TSH	3400	4	-	S	-	Sa	-	2S	DBS	-	Sn	90+45+45 Min (or OvrNt)	NA
57	N-T4	2600	6	Ab	-	C	-	-	2S	DBS	-	Sn	90+45+15 Min	NA
58	N-170HP	5500	7	-	S	C	-	1E	-	DBS	-	SC	30+90+15 Min Or 120+15 Min	NA
59	N-TBG	8900	9	-	S	C	-	-	2S	DBS	-	SC	60+30+30+15 Min (or OverNt)	NA

ASSAY SUMMARY

DIAGNOSTIC AREA	ANALYTE	ITEM#	ASSAY TYPE	PLATE SYSTEM		BINDING		STEPS		SAMPLE VOL μ l	SAMPLE DILUTION	ELISA SUB	ELISA MANUAL INCUBATION TIME	CLIA MANUAL INCUBATION TIME
				Ab/Ag	STREPT	COMP	SAND	1-EQUIL	2-SEQU					

STEROIDS

60	ANST	12400	5	Ab	-	C	-	1E	-	25	-	Sn	60+20 Min	45+5 Min
61	Cortisol	3600	7	-	S	C	-	1E	-	25	-	A + B	60+15 Min	45+5 Min
62	DHEA	7400	7	-	S	C	-	1E	-	25	-	Sn	60+20 Min	60+5 Min
63	DHEA-S	5100	7	-	S	C	-	1E	-	10	-	A + B	30+15 Min	30+5 Min
64	E1	10300	5	Ab	-	C	-	1E	-	25	-	Sn	45+20 Min	45+5 Min
65	E2	4900	9	-	S	C	-	-	2S	25	-	Sn	30+90+20 Min	30+60+5 Min
66	μ E3	5000	7	-	S	C	-	1E	-	25	-	A + B	60+15 Min	45+5 Min
67	Progesterone	4800	7	-	S	C	-	1E	-	25	-	Sn	60+20 Min	60+5 Min
68	17OHP	5200	7	-	S	C	-	1E	-	25	-	Sn	60+15 Min	45+5 Min
69	17OH-SI	9900	7	-	S	C	-	1E	-	25	-	SC	30+15 Min	45+5 Min
70	SHBG	9100	3	-	S	-	Sa	1E	-	25	-	A + B	30+15 Min	30+5 Min
71	Testosterone	3700	7	-	S	C	-	1E	-	10	-	A + B	60+15 Min	45+5 Min
72	Free Testosterone	5300	7	Ab	-	C	-	1E	-	20	-	A + B	60+15 Min	45+5 Min

THYROID

73	T3	100	5	Ab	-	C	-	1E	-	50	-	A + B	60+15 Min	45+5 Min
74	T3 Rapid	11200	5	Ab	-	C	-	1E	-	50	-	Sn	30+15 Min	NA
75	T3 SBS	8100	7	-	S	C	-	1E	-	50	-	A + B	60+15 Min	45+5 Min
76	T3, T4 & TSH	8000	7 & 3	-	S	C	Sa	1E	-	T3/TSH: 50 T4: 25	-	A + B	60+15 Min	45+5 Min
77	Free T3	1300	5	Ab	-	C	-	1E	-	50	-	A + B	60+15 Min	45+5 Min
78	FT3, FT4 & TSH	7000	7 & 3	-	S	C	Sa	1E	-	FT3: 50 FT4/TSH: 25	-	Sn	60+15 Min	60+5 Min
79	T3U	500	5	Ab	-	C	-	1E	-	25	-	A + B	60+15 Min	45+5 Min
80	T4	200	5	Ab	-	C	-	1E	-	25	-	A + B	60+15 Min	45+5 Min
81	T4 Rapid	11100	5	Ab	-	C	-	1E	-	20	-	A+B	30+15 Min	NA
82	T4 SBS	8200	7	-	S	C	-	1E	-	25	-	A + B	60+15 Min	45+5 Min
83	Free T4	1200	5	Ab	-	C	-	1E	-	50	-	A + B	60+15 Min	45+5 Min
84	TBG	3500	7	-	S	C	-	1E	-	10	-	A + B	30+15 Min	30+5 Min
85	Tg	2200	4	-	S	-	Sa	-	2S	50	-	Sn	1 Hr + 1 Hr + 15 Min or 2 Hr + 2 Hr + 15 Min	1 Hr + 1 Hr + 5 Min or 1.5 Hr + 1.5 Hr + 5 Min
86	TSH	300	3	-	S	-	Sa	1E	-	50	-	A + B	60+15 Min	45+5 Min
87	TSH Rapid	6000	3	-	S	-	Sa	1E	-	25	-	A + B	30+15 Min	30+5

THYROID- AUTOIMMUNE

88	Anti-Tg	1000	1	-	S	-	Sa	-	2S	50	1:100	A + B	60+30+15 Min	30+30+5 Min
89	Anti-TPO	1100	1	-	S	-	Sa	-	2S	25	1:100	A + B	60+30+15 Min	30+30+5 Min

Abbreviation Key

PLATE SYSTEM	BINDING	STEPS	ITEM#
Ab Antibody	C Competitive	1E 1 Step Equilibrium	ELISA Substitute '00' with '25' followed by '-300' and A, B, D, E (for pack size)
Ag Antigen	Sa Sandwich	2S 2 Step Equilibrium	CLIA Substitute '00' with '75' followed by '-300' and A, B, D, E (for pack size)
S Streptavidin	- -	- -	- -

Contact us today to learn more | www.monobind.com | sales@monobind.com