



INODAYA Hospitals - Kakinada

Documentation code:

INH/AAC.Doc.No:13

Policy on Laboratory Scope Of Services

Prepared Date: 05/09/2023

Reference: AAC.o6.a& f. NABH Standards –5th Edition

Issue date: 05/09/2023

Issue No:2

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Review Date: 04/09/2024

- 1. Objective:** To provide Laboratory services commensurate with the scope of clinical services required by the hospital attached to **PRED LABS- OUTSOURCED.**
- 2. Purpose:** To provide standardized Laboratory services for our patient and in patient.
- 3. Responsibility:** **PRED LABS AND INODAYA HOSPITALS.**
- 4. Distribution:** Consultants, In-Patient /Out-Patient areas, OPD billing desk, Nursing staff & Laboratory Department OF “**Pred labs**”
- 5. Process detail:** Pred laboratory services are provided at Near(next two buildings) our hospital

Sample Collection room placed at stilt floor near the lift area.

SERVICES:

- **Biochemistry**
- **Clinical pathology**
- **serology**
- **Microbiology**
- **Histopathology (Viswa Diagnostics)**

6. Policy:

Laboratory services (outsourced laboratory services) of our hospital are commensurate with the scope of clinical services of our hospital

- a. Pred laboratory** services are available round the clock for In-Patient & Emergency services

Prepared by: 	Verified By 	Approved by: 
Mr. T. Seetaramayyah	Mrs. G. Lakshmi Lavanya	Dr. D. N. S. Prakash
Quality Manager	Chief executive Officer	Medical director



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b. **Pred laboratory** equipment and the manpower are commensurate with its requirements

DEPARTMENT OF BIO CHEMISTRY TURN AROUND TIME FOR SERVICES OFFERED (Pred labs)				
SL.NO	SERVICE TYPE	MINIMUM TIME	MAXIMUM TIME	PERIODICITY
	BIO CHEMISTRY			
1	FBS	1 Hrs	1 & 1/2 hrs	DAILY
2	PPBS	1 Hrs	1 & 1/2 hrs	DAILY
3	GTT		4 & 1/2 hr	DAILY
4	RBS	1 Hrs	1 hrs	DAILY
5	HbA1C	1 hrs	2 hrs	DAILY
6	BLOOD UREA	1 & 1/2 hrs	2 hrs	DAILY
7	SERUM CREATININE	1 & 1/2 hrs	2 hrs	DAILY
8	SERUM URIC ACID	1 & 1/2 hrs	2 hrs	DAILY
9	SERUM CALCIUM	1 & 1/2 hrs	2 hrs	DAILY
10	SERUM PHOSPHAROUS	1 & 1/2 hrs	2 hrs	DAILY
11	PT&INR	1 & 1/2 hrs	2 hrs	DAILY
12	APTT	1 & 1/2 hrs	2 hrs	DAILY
13	LPID PROFILE	1 & 1/2 hrs	2 hrs	DAILY
	Serum Total Cholesterol	1 & 1/2 hrs	2 hrs	DAILY
	Total Triglycerides	1 & 1/2 hrs	2 hrs	DAILY
	HDL Cholesterol	1 & 1/2 hrs	2 hrs	DAILY
	LDL Cholesterol	1 & 1/2 hrs	2 hrs	DAILY
	VLDL Cholesterol	1 & 1/2 hrs	2 hrs	DAILY
14	LIVER FUNCTION TEST	1 & 1/2 hrs	2 hrs	DAILY

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	Total Bilirubin	1 & 1/2 hrs	2 hrs	DAILY
	Direct Bilirubin	1 & 1/2 hrs	2 hrs	DAILY
	Indirect Bilirubin	1 & 1/2 hrs	2 hrs	DAILY
	SGPT/ALT	1 & 1/2 hrs	2 hrs	DAILY
	SGOT/AST	1 & 1/2 hrs	2 hrs	DAILY
	ALKALINE Phosphates	1 & 1/2 hrs	2 hrs	DAILY
	Serum Total Proteins	1 & 1/2 hrs	2 hrs	DAILY
	Serum Albumin	1 & 1/2 hrs	2 hrs	DAILY
	Serum Globulin	1 & 1/2 hrs	2 hrs	DAILY
15	SERUM AMYLASE	1 & 1/2 hrs	2 hrs	DAILY
16	SERUM LIPSAE	1 & 1/2 hrs	2 hrs	DAILY
17	SERUM ELECTROLYTES	30 min	1 hrs	DAILY
	Potassium	30 min	1 hrs	DAILY
	Sodium	30 min	1 hrs	DAILY
	Chlorides	30 min	1 hrs	DAILY
18	CPK	1 & 1/2 hrs	1 hrs	DAILY
19	CPK MB	1 & 1/2 hrs	1 hrs	DAILY
20	ACID PHOSPHATES	1 & 1/2 hrs	1 hrs	DAILY
21	ALL BODY FLUIDS	1 & 1/2 hrs		DAILY
	Glucose	1 & 1/2 hrs	2 hrs	DAILY
	Proteins	1 & 1/2 hrs	2 hrs	DAILY
	Globulins	1 & 1/2 hrs	2 hrs	DAILY
	Chlorides	1 & 1/2 hrs	2 hrs	DAILY
	Amylase	1 & 1/2 hrs	2 hrs	DAILY
	ADA	1 & 1/2 hrs	3 hrs	
22	LH	1 & 1/2 hrs	2 hrs	DAILY
23	BETA HCG	1 & 1/2 hrs	2 hrs	DAILY

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24	Prolactin	1 & 1/2 hrs	2 hrs	DAILY
25	FSH	1 & 1/2 hrs	2 hrs	DAILY
26	FT3,	2 hrs	3 HRS	DAILY
27	FT4	2 hrs	3 HRS	DAILY
28	CA125	2 hrs	3 HRS	DAILY
29	TESTOSTERON	2 hrs	3 HRS	DAILY
30	ESTRADIOL	2 hrs	3 HRS	DAILY
31	PROGESTRON	2 hrs	3 HRS	DAILY
32	CEA	2 hrs	3 HRS	DAILY
33	IRON	1 & 1/2 hrs	2 hrs	DAILY
34	GGT	2 hrs	3 HRS	DAILY
35	UIBC	2 hrs	3 HRS	DAILY

DEPARTMENT OF HAEMATOLOGY TURN AROUND TIME FOR SERVICES OFFERED (pred labs)

S.NO	SERVICE TYPE	MINIMUM TIME	MAXIMUM TIME	PERIODICITY
	HAEMATOLOGY			
1	HAEMOGRAMME (CBP)	2 hrs	2 & 1/2 hr	DAILY
2	CBC	30 min	1 hour	DAILY
3	HB %	30 min	45 min	DAILY
4	TWBC (TC)	30 min	45 min	DAILY
5	DC	30 min	45 min	DAILY
6	TRBC	30 min	45 min	DAILY

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7	PCV (Hematocrit)	30 min	45 min	DAILY
8	MCV	30 min	45 min	DAILY
9	MCH	30 min	45 min	DAILY
10	MCHC	30 min	45 min	DAILY
11	PLATELET COUNT	30 min	45 min	DAILY
12	AEC	1 hour	2 hrs	DAILY
13	ESR	1 & 1/2 hr	2 hours	DAILY
14	PERIPHERAL SMEAR	2 hrs	2 & 1/2 hr	DAILY
15	SMEAR FOR MP & MF	30 min	1 hour	DAILY
16	SICKLING	24 hrs	24 hrs	DAILY
17	RETICULOCYTE COUNT	1 hour	1 & 1/2 hr	DAILY
18	MANTOUX	48 hours	48 hours	DAILY
19	BLOOD for MP (QBC)	1 hrs	2 hrs	DAILY
20	BLOOD for MP (RDT)	45 min	1 hrs	DAILY
21	BLOOD GROUPING	30 min	1 hrs	DAILY
21	BT ,CT	15 min	15 min	DAILY

DEPARTMENT OF MICRO BIOLOGY TURN AROUND TIME FOR SERVICES OFFERED (Pred labs)

SL.NO	SERVICE TYPE	MINIMUM TIME	MAXIMUM TIME	PERIODICITY
SEROLOGY				
1	ASO TITRE	1 Hrs	1 hrs	DAILY
2	C-Reactive Protine	1 Hrs	1 hrs	DAILY
3	R.A. FACTOR	1 Hrs	1 hrs	DAILY
4	WIDAL	45 min	1 hrs	DAILY
5	RPR (RAPID PLASMA	45 min	1 hrs	DAILY

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	RAPID TESTS	1 hrs	2 hrs	DAILY
6	Serum HIV 1 & 2 (Tri-do	1 & 1/2 hrs	2 hrs	DAILY
7	Serum HbsAg	1 & 1/2 hrs	2 hrs	DAILY
8	Serum HCV	1 & 1/2 hrs	1 hrs	DAILY
9	DENGU NS1 Ag, Ig G & Ig	1 hrs	1 & 1/2 hrs	DAILY
10	VDRL (TPHA CARD)	1 hrs	1 & 1/2 hrs	DAILY

DEPARTMENT OF MICRO BIOLOGY TURN AROUND TIME FOR SERVICES OFFERED (Pred labs)

S.NO	SERVICE TYPE	MINIMUM TIME	MAXIMUM TIME	PERIODICITY
	CLINICAL PATHOLOGY	1-2 hrs		DAILY
1	URINE ANALYSIS	1 Hour	2 Hours	DAILY
2	ALBUMIN	30 min	1 Hour	DAILY
3	SUGAR	30 min	1 Hour	DAILY
4	MICROSCOPY	30 min	1 Hour	DAILY
5	SPECIFIC GRAVITY	30 min	1 Hour	DAILY
6	PH	30 min	1 Hour	DAILY
7	BLOOD	30 min	1 Hour	DAILY
8	KETONE BODIES	30 min	1 Hour	DAILY
9	BILE PIGMENTS	30 min	1 Hour	DAILY
10	BILE SALTS	30 min	1 Hour	DAILY
11	UROBILINOGEN	30 min	1 Hour	DAILY
12	URINE PREGNANCY	30 min	1 Hour	DAILY
13	24 hrs URINE PROTEIN	30 min	1 Hour	DAILY
14	24 hrs URINE CALCIUM	1 Hour	1 & 1/2 hrs	DAILY
15	24 hrs URINE URIC ACID	1 Hour	1 & 1/2 hrs	DAILY

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16	SPOT PROTEIN / CREATININE RATIO	1 Hour	2 Hours	DAILY
				DAILY
17	STOOL ANALYSIS	1-2 hrs		DAILY
1	Ova	30 min	1 Hour	DAILY
2	CYST	30 min	1 Hour	DAILY
3	REDUCING SUBSTANCES	30 min	1 Hour	DAILY
4	OCCULT BLOOD	30 min	1 Hour	DAILY
5	SEMEN ANALYSIS	1 Hour	2 Hours	DAILY
34	Ferritin	1 & 1/2 hrs	2 hrs	DAILY
35	Serum BNP	1 & 1/2 hrs	2 hrs	DAILY
37	D Dimer	1 & 1/2 hrs	2 hrs	DAILY
32	Serum B 12	1 & 1/2 hrs	2 hrs	DAILY

CLINICAL PATHOLOGY/HISTOPATHOLOGY (Viswa Diagnostics)

S.NO	NAME	MAXIMUM TIME
1	BIOPSY -SMALL	5 Days
2	BIOPSY - MEDIUM	7 Days
3	BIOPSY - LARGE	10 Days
4	RENAL BIOPSY	7 Days

CRITICAL / PANIC VALUES LIST

HEMATOLOGY	Age Range	Critical Value (low)	Critical Value (High)	units	Response
Hemoglobin	Adult	< 7	> 20	gm/dL	* call
Platelet	Adult	< 50	> 1000	(x 10 ³ /ul)	* call
Haematocrit	Adult	< 20	> 60	(%)	* call

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WBC	Adult	< 2.0 to	> 25	(x 103/ul)	* call
Cell Count - CSF only	Adult	> 30		(WBC/UL)	* call
MP - Falciparum	Adult		positive		* call
Parasite -F	Adult		positive		* call
Urineanalysis chemistrip, glucose	Adult		> 3+ Glucose		* call
INR (reported with PT)	Adult	< 2.0	> 4.0		* call
APTT	Adult	< 60			* call
PCT	Adult	None	2	ng/ml	*call
D-DIMER	Adult		positive		* call
CT (CLOTTING TIME)	ANY AGE		>7 MINUTES		* call
BT (BLEEDING TIME)	ANY AGE		> 3 MINUTES		* call
QBC	ANY AGE		positive		* call
AEC	ANY AGE		1200		* call
ESR	ANY AGE		100		* call

OTHER ANALYTES

GLUCOSE	Any age	< 40	> 500	mg/dl	* Call
SODIUM	Any age	≤ 120	≥ 160	mmol/L	* Call
POTASSIUM	Any age	≤ 2.5	≥ 6.5	mmol/L	* Call
CHLORIDE	Any age	≤ 80	≥ 120	mmol/L	* Call
TCO2 (Venous)	Any age	≤ 10	≥ 40	mmol/L	* Call
TCO2 (Arterial)	Any age	≤ 10	≥ 40	mmol/L	* Call
CALCIUM	Any age	≤ 6.5	> 13	mg/dl	* Call
PHOSPHOROUS	Any age	< 1.0	None	mg/dl	* Call
T.Bilirubin	Any age	None	≥ 5.0	mg/dl	* Call
CPK	Any age	None	≥ 3-5 times	U / L	* Call
CK-MB	Any age	None	≥ 5	% of total CK activity	* Call
hs TROPONIN I	Any age	None	39.2	PG/ML	* Call

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proBNP	Any age	None	450	PG/ML	* Call
S FERRITIN	Any age	None	1000	mg/dl	*Call
S CREATININE	Any age	None	2.0	mg/dl	*Call
MAGNESIUM	Any age	None	5.0	mg/dl	*Call
T CHOLESTEROL	Any age	<50	>500	mg/dl	*Call
TRIGLYCERIDES	Any age	<50	>500	mg/dl	*Call
PROCALCITONIN	Any age	None	5.0	mg/dl	*Call
AMYLASE	Any age	None	500	mg/dl	*Call
LIPASE	Any age	None	500	mg/dl	*Call
HIV	Any age		POSITIVE		* Call
HBSAG	Any age		POSITIVE		* Call
HCV	Any age		POSITIVE		* Call
CSF Total protein	Any age	None	≥ 45	mg/dl	* Call
GLUCOSE in CSF	Any age	< 20 or < 80% of blood level		mg/dl	* Call

BIOCHEMISTRY BLOOD GASES	Age Range	Critical Value (low)	Critical Value (High)	units	Response
Arterial Ph	Any age	≤ 7.20	≥ 7.55	pH units	* call
Arterial pco 2	Any age	≤ 20	≥ 60	mm Hg	* call
Arterial Po 2	Any age	≤40	None/ > 200	mm Hg	* call
Calcium - ionized	Any age	≤ 2.6	≥ 6.4	mg /dl	* call
Venous Ph	Any age	< 7.25	None	pH units	* call
Bicarbonate	Any age	≤ 10	≥ 40	mmol /L	* call
Hematocrit (PCV)	Any age	≤ 21	≥ 65	%	* call

HORMONES & THERAPEUTIC DRUGS	Age Range	Critical Value (low)	Critical Value (High)	units	Response
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T3	Any age	>3	ug/dl	*Call
T 4	Any age	> 130	ug/dl	* call
TSH	Any age	>7	ug/dl	*Call

Document Revision History

DOCUMENT REVISION HISTORY		
Version	Date of issue	Reason for Revision
Original version - 1	10/03/2022	Prepared 5 th edition
Revised version - 2	05/07/2023	Periodic revision and update
Revised version - 3		
Revised version - 4		
Revised version - 5		

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