

# Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)

|                    | REPOR                                | KI ————       |                        |
|--------------------|--------------------------------------|---------------|------------------------|
| Name               | : Mrs. C ARUNA                       | Sample ID     | : A0093266, A0093267   |
| Age/Gender         | : 64 Years/Female                    | Reg. No       | : 0312402180003        |
| Referred by        | : Dr. SELF                           | SPP Code      | : SPL-CV-172           |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS         | Collected On  | : 18-Feb-2024 08:30 AM |
| Primary Sample     | : Whole Blood                        | Received On   | : 18-Feb-2024 02:15 PM |
| Sample Tested In   | : Plasma-NaF(F), Plasma-NaF(PP)      | Reported On   | : 18-Feb-2024 03:30 PM |
| Client Address     | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report         |
|                    |                                      |               |                        |

PVT. LTD.

| CLINICAL BIOCHEMISTRY      |                                 |  |  |  |  |
|----------------------------|---------------------------------|--|--|--|--|
| GLUCOSE POST PRANDIAL (PP) |                                 |  |  |  |  |
| Test Name                  | Results Units Ref. Range Method |  |  |  |  |
|                            |                                 |  |  |  |  |

| Glucose Fasting     | g (F)                           | 105                  | mg/dL    | 70-1 | 00                      | GOD-POI |
|---------------------|---------------------------------|----------------------|----------|------|-------------------------|---------|
| Interpretation of P | lasma Glucose based on ADA      | guidelines 2018      |          |      |                         | _       |
| Diagnosis           | FastingPlasma<br>Glucose(mg/dL) | 2hrsPla<br>Glucose(n | HbA1     | c(%) | RBS(mg/dL)              |         |
| Prediabetes         | 100-125                         | 140-1                | 99 5.7-6 | 6.4  | NA                      |         |
| Diabetes            | > = 126                         | > = 20               | 0 >= 6   |      | >=200(with<br>symptoms) |         |
|                     |                                 |                      |          |      |                         | 1       |

Reference: Diabetes care 2018:41(suppl.1):S13-S27

**Glucose Post Prandial (PP)** 

131 mg/dL 70-140 Hexokinase (HK)

| Diagnosis   | of Plasma Glucose based on ADA<br>FastingPlasma<br>Glucose(mg/dL) | 2brsPlasma | HbA1c(%) | RBS(mg/dL)              |
|-------------|---|------------|----------|-------------------------|
| Prediabetes | 100-125   | 140-199    | 5.7-6.4  | NA                      |
| Diabetes    | > = 126   | > = 200    |          | >=200(with<br>symptoms) |

Reference: Diabetes care 2018:41(suppl.1):S13-S27

- Postprandial glucose level is a screening test for Diabetes Mellitus
- If glucose level is >140 mg/dL and <200 mg/dL, then GTT (glucose tolerance test) is advised.
- If level after 2 hours = >200 mg/dL diabetes mellitus is confirmed.
- Advise HbA1c for further evaluation.

Result rechecked and verified for abnormal cases

\*\*\* End Of Report \*\*\*

Laboratory is NABL Accredited



BIOCHEMISTRY



## Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)

#### REPORT -

|                    | REPORT                               |               |                        |
|--------------------|--------------------------------------|---------------|------------------------|
| Name               | : Mrs. C ARUNA                       | Sample ID     | : A0093265             |
| Age/Gender         | : 64 Years/Female                    | Reg. No       | : 0312402180003        |
| Referred by        | : Dr. SELF                           | SPP Code      | : SPL-CV-172           |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS         | Collected On  | : 18-Feb-2024 08:30 AM |
| Primary Sample     | : Whole Blood                        | Received On   | : 18-Feb-2024 10:33 AM |
| Sample Tested In   | : Whole Blood EDTA                   | Reported On   | : 18-Feb-2024 12:38 PM |
| Client Address     | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report         |
|                    |                                      |               |                        |

| CLINICAL BIOCHEMISTRY       |         |       |  |            |
|-----------------------------|---------|-------|--|------------|
| Test Name                   | Results | Units | Ref. Range   | Method     |
| Glycated Hemoglobin (HbA1c) | 6.6     | %     | Non Diabetic:< 5.7<br>Pre diabetic: 5.7-6.4<br>Diabetic:>= 6.5 | HPLC       |
| Mean Plasma Glucose         | 142.72  | mg/dL |  | Calculated |

Interpretation:

• Glycated hemoglobins (GHb), also called glycohemoglobins, are substances formed when glucose binds to hemoglobin, and occur in amounts proportional to the concentration of serum glucose. Since red blood cells survive an average of 120 days, the measurement of GHb provides an index of a person's average blood glucose concentration (glycemia) during the preceding 2-3 months. Normally, only 4% to 6% of hemoglobin is bound to glucose, while elevated glycohemoglobin levels are seen in diabetes and other hyperglycemic states

Mean Plasma Glucose(MPG): This Is Mathematical Calculations Where Glycated Hb Can Be Correlated With Daily Mean Plasma Glucose Level

Result rechecked and verified for abnormal cases

\*\*\* End Of Report \*\*\*

Laboratory is NABL Accredited







## Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)

### REPORT -

| -                  | REPORT -                             |               |                        |
|--------------------|--------------------------------------|---------------|------------------------|
| Name               | : Mrs. C ARUNA                       | Sample ID     | : A0093264             |
| Age/Gender         | : 64 Years/Female                    | Reg. No       | : 0312402180003        |
| Referred by        | : Dr. SELF                           | SPP Code      | : SPL-CV-172           |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS         | Collected On  | : 18-Feb-2024 08:30 AM |
| Primary Sample     | : Whole Blood                        | Received On   | : 18-Feb-2024 10:33 AM |
| Sample Tested In   | : Serum                              | Reported On   | : 18-Feb-2024 12:23 PM |
| Client Address     | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report         |
|                    |                                      |               |                        |

| CLINICAL BIOCHEMISTRY            |         |        |            |        |  |
|----------------------------------|---------|--------|------------|--------|--|
| Test Name                        | Results | Units  | Ref. Range | Method |  |
| Thyroid Profile-I(TFT)           |         |        |            |        |  |
| T3 (Triiodothyronine)            | 117.36  | ng/dL  | 40-181     | CLIA   |  |
| T4 (Thyroxine)                   | 10.0    | µg/dL  | 3.2-12.6   | CLIA   |  |
| TSH -Thyroid Stimulating Hormone | 5.02    | µIU/mL | 0.35-5.5   | CLIA   |  |

| r regnancy & Cord Blood               |                               |                                    |
|---------------------------------------|-------------------------------|------------------------------------|
| T3 (Triiodothyronine):                | T4 (Thyroxine)                | TSH (Thyroid Stimulating Hormone)  |
| First Trimester : 81-190 ng/dL        | 15 to 40 weeks:9.1-14.0 µg/dL | First Trimester : 0.24-2.99 µIU/mL |
| Second&Third Trimester :100-260 ng/dL |                               | Second Trimester: 0.46-2.95 µIU/mL |
|                                       |                               | Third Trimester : 0.43-2.78 µIU/mL |
| Cord Blood: 30-70 ng/dL               | Cord Blood: 7.4-13.0 µg/dL    | Cord Blood: : 2.3-13.2 µIU/mL      |

#### Interpretation:

noney & Cond Pland

• Thyroid gland is a butterfly-shaped endocrine gland that is normally located in the lower front of the neck. The thyroid's job is to make thyroid hormones, which are secreted into the blood and then carried to every tissue in the body. Thyroid hormones help the body use energy, stay warm and keep the brain, heart, muscles, and other organs working as they should.

• Thyroid produces two major hormones: triiodothyronine (T3) and thyroxine (T4). If thyroid gland doesn't produce enough of these hormones, you may experience symptoms such as weight gain, lack of energy, and depression. This condition is called hypothyroidism.

• Thyroid gland produces too many hormones, you may experience weight loss, high levels of anxiety, tremors, and a sense of being on a high. This is called hyperthyroidism.

• TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4.

• The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

Correlate Clinically.

Laboratory is NABL Accredited

\*\*\* End Of Report \*\*\*





Note : This report is subject to the terms and conditions overleaf. Partial Reproduction of this report is not Permitted