



BML541286

## Laboratory Investigation Report

|                     |                           |                   |                    |
|---------------------|---------------------------|-------------------|--------------------|
| <b>Name</b>         | : Mr. SRDAN VIROVAC       | <b>Ref No.</b>    | : 37308            |
| <b>DOB</b>          | : 29/05/1989              | <b>Sample No.</b> | : 2503554651       |
| <b>Age / Gender</b> | : 35 Y / Male             | <b>Collected</b>  | : 23/03/2025 15:06 |
| <b>Referred by</b>  | : CITICARE MEDICAL CENTER | <b>Registered</b> | : 23/03/2025 22:44 |
| <b>Centre</b>       | : CITICARE MEDICAL CENTER | <b>Reported</b>   | : 23/03/2025 23:30 |

### ENDOCRINOLOGY

| Test           | Result | Flag | Unit  | Reference Range                                     | Methodology |
|----------------|--------|------|-------|-----------------------------------------------------|-------------|
| ESTRADIOL (E2) | 11.7   |      | pg/mL | 11.3 - 43.2<br>Please note update.<br>Source: Roche | ECLIA       |

#### INTERPRETATION NOTES :

Refer to Interpretation Table for Female Reference Range:

| FEMALE                                                                                          | REFERENCE RANGE (pg/mL) |
|-------------------------------------------------------------------------------------------------|-------------------------|
| Tanner Stage I (>14 days and prepubertal) (Mean Age: 7.1 years)                                 | Undetectable - 20       |
| Tanner Stage II (Mean Age: 10.5 years)                                                          | Undetectable - 24       |
| Tanner Stage III (Mean Age: 11.6 years)                                                         | Undetectable - 60       |
| Tanner Stage IV (Mean Age: 12.3 years)                                                          | 15 - 85                 |
| Tanner Stage V (Mean Age: 14.5 years)                                                           | 15 - 350                |
| Follicular Phase                                                                                | 20.5 - 233              |
| Mid Cycle                                                                                       | 60.4 - 602              |
| Luteal Phase                                                                                    | 51.1 - 222              |
| First Trimester                                                                                 | 154 - 3243              |
| Second Trimester                                                                                | 1561 - 21280            |
| Third Trimester                                                                                 | 8525 - > 30000          |
| Post Menopause                                                                                  | < 5                     |
| Please note update in reference range. Source: Roche; Mayo Clinic Laboratories for Tanner Stage |                         |

Refer to Interpretation Table for Male Reference Range:

1 to 14 days: Estradiol levels in newborns are very elevated at birth but will fall to prepubertal levels within a few days.

| TANNER STAGE MALE                                       | REFERENCE RANGE (pg/mL) |
|---------------------------------------------------------|-------------------------|
| Stage I (>14 days and prepubertal)(Mean Age: 7.1 years) | Undetectable - 13       |
| Stage II (Mean Age: 12.1 years)                         | Undetectable - 16       |
| Stage III (Mean Age: 13.6 years)                        | Undetectable - 26       |
| Stage IV (Mean Age: 15.1 years)                         | Undetectable - 38       |

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Pathologist

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This is an electronically authenticated report

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Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





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### ENDOCRINOLOGY

| Test                         | Result | Flag | Unit | Reference Range | Methodology |
|------------------------------|--------|------|------|-----------------|-------------|
| Stage V (Mean Age: 18 years) |        |      |      |                 | 10 - 40     |

Increased level is seen in early puberty, tumors in the ovaries or testes, gynecomastia, hyperthyroidism, cirrhosis of liver. Decreased level is seen in menopause, Turner syndrome, ovarian failure, polycystic ovarian syndrome (PCOS), depleted estrogen production, which can be caused by low body fat, hypopituitarism, hypogonadism.

Sample Type : Serum

End of Report

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