

|                                  |                           |                            |                    |
|----------------------------------|---------------------------|----------------------------|--------------------|
| <b>Patient Name</b>              | : Ms. AFSEEN SADIA        | <b>Sample UID No.</b>      | : 4100962          |
| <b>Age / Gender</b>              | : 36 Y / Female           | <b>Sample Collected On</b> | : 25-07-2025 22:35 |
| <b>Patient ID</b>                | : QLD100723               | <b>Registered On</b>       | : 25-07-2025 22:35 |
| <b>Referred By</b>               | : Dr. AISHA               | <b>Reported on</b>         | : 26-07-2025 08:06 |
| <b>Referral Client</b>           | : CITICARE MEDICAL CENTER | <b>External Patient ID</b> | : 47466            |
| <b>Emirates ID / Passport No</b> | :                         | <b>Print Version</b>       | : V.1              |

### Department of BIOCHEMISTRY

| <b>Investigation</b>       | <b>Results</b> | <b>Flag</b> | <b>Units</b> | <b>Biological Reference Interval</b> | <b>Method</b>                               |
|----------------------------|----------------|-------------|--------------|--------------------------------------|---------------------------------------------|
| * C-REACTIVE PROTEIN (CRP) | 1.4            |             | mg/L         | < 5                                  | Particle enhanced immunoturbidimetric assay |

Sample: Serum

**Comments :**

#### CLINICAL IMPLICATIONS:

1. CRP is the most sensitive acute phase reactant that can increase dramatically (100-fold or more) after severe trauma, bacterial infection, inflammation, surgery or neoplastic proliferation. CRP levels may predict future cardiovascular events and can be used as a screening tool.
2. The traditional test of CRP has added significance over the elevated ESR, which may be influenced by altered physiologic states. CRP tends to increase before rises in antibody titres and ESR level occurs. CRP levels also tend to decrease sooner than ESR levels.
3. The traditional test for CRP is elevated in rheumatic fever, RA, myocardial infarction, malignancy, bacterial and viral infections. The positive test indicates active inflammation but not its cause. In RA, the traditional test for CRP becomes negative with successful treatment and indicates that the inflammation has subsided.
4. High sensitive measurement of CRP (hs-CRP) are useful in assessing vascular inflammation and cardiovascular stratification. A single test for hs-CRP may not reflect an individual patient basal hs-CRP level, therefore follow up tests or serial measurements may be required in patients presenting with increased hs-CRP levels.

**INTERFERING FACTORS:** Haemolysed or lipemic sample may alter the results.

#### REFERENCE:

- 1) Manual of Laboratory and Diagnostics -Frances Fischbach Marshall B. Dunning III [9th Edition]
- 2) Tietz clinical guide to Laboratory tests(Fourth edition) ALAN H.B.WU

#### **Note:**

"The analytes with asterisk (\*) symbol are non-accredited parameters."  
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### Department of CLINICAL PATHOLOGY

#### COMPREHENSIVE URINE ANALYSIS

| Investigation                  | Results     | Flag | Units | Biological Reference Interval | Method                 |
|--------------------------------|-------------|------|-------|-------------------------------|------------------------|
| Sample: URINE                  |             |      |       |                               |                        |
| <b>MACROSCOPIC EXAMINATION</b> |             |      |       |                               |                        |
| COLOR                          | Pale yellow |      |       | Pale to Dark Yellow           | Colorimetric           |
| APPEARANCE                     | Clear       |      |       | -                             | Turbidometric Method   |
| <b>CHEMISTRY EXAMINATION</b>   |             |      |       |                               |                        |
| SPECIFIC GRAVITY               | 1.005       |      |       | 1.002 - 1.035                 | Reflectance photometry |
| pH                             | 7           |      |       | 4.5 - 8                       | Reflectance photometry |
| PROTEIN                        | Neg.        |      |       | Negative                      | Reflectance photometry |
| GLUCOSE                        | Neg.        |      |       | Negative                      | Reflectance photometry |
| KETONE                         | Neg.        |      |       | Negative                      | Reflectance photometry |
| UROBILINOGEN                   | Norm.       |      |       | Negative                      | Reflectance photometry |
| BILIRUBIN                      | Neg.        |      |       | Negative                      | Reflectance photometry |
| BLOOD                          | Trace       |      |       | Negative                      | Reflectance photometry |
| LEUCOCYTES                     | 2+          | H    |       | Negative                      | Reflectance photometry |
| <b>MICROSCOPIC EXAMINATION</b> |             |      |       |                               |                        |
| NITRATE                        | Neg.        |      |       | NEGATIVE                      | Reflectance photometry |
| PUS CELLS                      | Trace       |      | /HPF  | 0 - 5                         | Microscopy             |
| RBC                            | Few         |      | /HPF  | 0 - 3                         | Microscopy             |
| NRBC                           | Nil         |      | /HPF  | 0 - 3                         | Microscopy             |
| DRBC                           | Nil         |      | /HPF  | 0 - 3                         | Microscopy             |
| RBC CLUMP                      | Nil         |      | /HPF  | 0 - 3                         | Microscopy             |
| SQUAMOUS EPITHELIAL CELLS      | Few         |      | /HPF  | 0 - 5                         | Microscopy             |
| OTHER EPITHELIAL CELLS         | Nil         |      | /HPF  | 0 - 5                         | Microscopy             |

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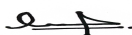
|                                  |                           |                            |                    |
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#### COMPREHENSIVE URINE ANALYSIS

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|------------------------------|----------------|-------------|--------------|--------------------------------------|---------------|
| BACTERIA                     | Nil            |             | /HPF         | 0 - 5                                | Microscopy    |
| BACTERIA CLUMP               | Nil            |             | /HPF         | 0 - 5                                | Microscopy    |
| BACTERIA RODS                | Nil            |             | /HPF         | 0 - 5                                | Microscopy    |
| BACTERIA COCCI               | Nil            |             | /HPF         | 0 - 5                                | Microscopy    |
| HYALINE CAST                 | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| PATHOLOGICAL CAST            | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| GRANULAR CAST                | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| CELLULAR CAST                | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| WAXY CAST                    | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| RBC CAST                     | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| WBC CAST                     | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| FACT                         | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| CALCIUM OXALATE CRYSTALS     | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| MONOHYDRATE CALCIUM CRYSTALS | Few            |             | /HPF         | NIL                                  | Microscopy    |
| TRIPLE PHOSPHATE CRYSTALS    | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| URIC ACID CRYSTALS           | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| OTHER SMALL CRYSTALS         | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| CALCIUM PHOSPHATE CRYSTALS   | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| LEUCINE CRYSTALS             | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| CYSTINE CRYSTALS             | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| TYROSINE CRYSTALS            | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| AMORPHOUS CRYSTALS           | Few            |             | /HPF         | NIL                                  | Microscopy    |

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|----------------------|----------------|-------------|--------------|--------------------------------------|---------------|
| CHOLESTEROL CRYSTALS | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| FAT                  | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| MUCUS                | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| YEAST                | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| UNCLASSIFIED         | Nil            |             | /HPF         | NIL                                  | Microscopy    |
| OTHERS               | Nil            |             | /HPF         | NIL                                  | Microscopy    |

- END OF REPORT -

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