

Patient Name:

Patient Phone:

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Sex:

Referring Dr (NPI #):

Patient ID:

Specimen ID:

Account Number:

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Reported Date/Time:

General Comments and Additional Information

Test(s) 884294-LDL-P; 123475-HDL-C; 123476-Triglycerides; 123477-Cholesterol, Total; 884296-HDL-P (Total); 884297-Small LDL-P; 884309-LDL Size; 884312-LP-IR Score

was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

Fasting: Yes

Total Vol:

Source:

| Result Name                                | Flag              | Result | Range/Units       | Status | Lab |
|--------------------------------------------|-------------------|--------|-------------------|--------|-----|
| 210475 CMP14+LP+TP+TSH+5AC+CBC/D/Pit       |                   |        |                   |        |     |
| Glucose                                    |                   | 90     | 70-99 / mg/dL     | Final  | 01  |
| Uric Acid                                  |                   | 4.8    | 2.6-6.2 / mg/dL   | Final  | 01  |
| Therapeutic target for gout patients: <6.0 |                   |        |                   |        |     |
| BUN                                        |                   | 11     | 6-24 / mg/dL      | Final  | 01  |
| Creatinine                                 |                   | 0.85   | 0.57-1.00 / mg/dL | Final  | 01  |
| eGFR                                       |                   | 84     | >59 / mL/min/1.73 | Final  | 01  |
| BUN/Creatinine Ratio                       |                   | 13     | 9-23              | Final  | 01  |
| Sodium                                     |                   | 139    | 134-144 / mmol/L  | Final  | 01  |
| Potassium                                  |                   | 4.7    | 3.5-5.2 / mmol/L  | Final  | 01  |
| Chloride                                   |                   | 101    | 96-106 / mmol/L   | Final  | 01  |
| Carbon Dioxide, Total                      |                   | 24     | 20-29 / mmol/L    | Final  | 01  |
| Calcium                                    |                   | 9.6    | 8.7-10.2 / mg/dL  | Final  | 01  |
| Phosphorus                                 | Above High Normal | 4.5    | 3.0-4.3 / mg/dL   | Final  | 01  |
| Protein, Total                             |                   | 7.6    | 6.0-8.5 / g/dL    | Final  | 01  |

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|----------------------|-------------------|--------|-----------------|--------|-----|
| Albumin              |                   | 4.4    | 3.8-4.8 / g/dL  | Final  | 01  |
| Globulin, Total      |                   | 3.2    | 1.5-4.5 / g/dL  | Final  | 01  |
| A/G Ratio            |                   | 1.4    | 1.2-2.2         | Final  | 01  |
| Bilirubin, Total     |                   | 0.3    | 0.0-1.2 / mg/dL | Final  | 01  |
| Alkaline Phosphatase |                   | 90     | 44-121 / IU/L   | Final  | 01  |
| LDH                  |                   | 171    | 119-226 / IU/L  | Final  | 01  |
| AST (SGOT)           |                   | 14     | 0-40 / IU/L     | Final  | 01  |
| ALT (SGPT)           |                   | 29     | 0-32 / IU/L     | Final  | 01  |
| GGT                  | Above High Normal | 72     | 0-60 / IU/L     | Final  | 01  |
| Iron                 |                   | 66     | 27-159 / ug/dL  | Final  | 01  |
| Cholesterol, Total   | Above High Normal | 241    | 100-199 / mg/dL | Final  | 01  |
| Triglycerides        | Above High Normal | 253    | 0-149 / mg/dL   | Final  | 01  |
| HDL Cholesterol      |                   | 52     | >39 / mg/dL     | Final  | 01  |
| LDL Chol Calc (NIH)  | Above High Normal | 143    | 0-99 / mg/dL    | Final  | 01  |
| T. Chol/HDL Ratio    | Above High Normal | 4.6    | 0.0-4.4 / ratio | Final  | 01  |

T. Chol/HDL Ratio

|               | Men  | Women |
|---------------|------|-------|
| 1/2 Avg. Risk | 3.4  | 3.3   |
| Avg. Risk     | 5.0  | 4.4   |
| 2X Avg. Risk  | 9.6  | 7.1   |
| 3X Avg. Risk  | 23.4 | 11.0  |

|     |       |                      |       |    |
|-----|-------|----------------------|-------|----|
| TSH | 1.750 | 0.450-4.500 / uIU/mL | Final | 01 |
|-----|-------|----------------------|-------|----|

|                       |                       |
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| Result Name            | Flag              | Result | Range/Units          | Status | Lab |
|------------------------|-------------------|--------|----------------------|--------|-----|
| Thyroxine (T4)         |                   | 9.6    | 4.5-12.0 / ug/dL     | Final  | 01  |
| T3 Uptake              |                   | 24     | 24-39 / %            | Final  | 01  |
| Free Thyroxine Index   |                   | 2.3    | 1.2-4.9              | Final  | 01  |
| WBC                    |                   | 6.5    | 3.4-10.8 / x10E3/uL  | Final  | 01  |
| RBC                    |                   | 4.88   | 3.77-5.28 / x10E6/uL | Final  | 01  |
| Hemoglobin             |                   | 14.1   | 11.1-15.9 / g/dL     | Final  | 01  |
| Hematocrit             |                   | 43.0   | 34.0-46.6 / %        | Final  | 01  |
| MCV                    |                   | 88     | 79-97 / fL           | Final  | 01  |
| MCH                    |                   | 28.9   | 26.6-33.0 / pg       | Final  | 01  |
| MCHC                   |                   | 32.8   | 31.5-35.7 / g/dL     | Final  | 01  |
| RDW                    |                   | 12.7   | 11.7-15.4 / %        | Final  | 01  |
| Platelets              | Above High Normal | 452    | 150-450 / x10E3/uL   | Final  | 01  |
| Neutrophils            |                   | 57     | Not Estab. / %       | Final  | 01  |
| Lymphs                 |                   | 34     | Not Estab. / %       | Final  | 01  |
| Monocytes              |                   | 8      | Not Estab. / %       | Final  | 01  |
| Eos                    |                   | 1      | Not Estab. / %       | Final  | 01  |
| Basos                  |                   | 0      | Not Estab. / %       | Final  | 01  |
| Neutrophils (Absolute) |                   | 3.7    | 1.4-7.0 / x10E3/uL   | Final  | 01  |
| Lymphs (Absolute)      |                   | 2.2    | 0.7-3.1 / x10E3/uL   | Final  | 01  |
| Monocytes(Absolute)    |                   | 0.5    | 0.1-0.9 / x10E3/uL   | Final  | 01  |
| Eos (Absolute)         |                   | 0.1    | 0.0-0.4 / x10E3/uL   | Final  | 01  |
| Baso (Absolute)        |                   | 0.0    | 0.0-0.2 / x10E3/uL   | Final  | 01  |
| Immature Granulocytes  |                   | 0      | Not Estab. / %       | Final  | 01  |
| Immature Grans (Abs)   |                   | 0.0    | 0.0-0.1 / x10E3/uL   | Final  | 01  |

|                       |                       |
|-----------------------|-----------------------|
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| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

## 884247 NMR LipoProfile+Lipids

|                    |                   |             |                 |       |    |
|--------------------|-------------------|-------------|-----------------|-------|----|
| LDL-P              | Above High Normal | 1675        | <1000 / nmol/L  | Final | 01 |
|                    | Low               | < 1000      |                 |       |    |
|                    | Moderate          | 1000 - 1299 |                 |       |    |
|                    | Borderline-High   | 1300 - 1599 |                 |       |    |
|                    | High              | 1600 - 2000 |                 |       |    |
|                    | Very High         | > 2000      |                 |       |    |
| LDL-C (NIH Calc)   | Above High Normal | 145         | 0-99 / mg/dL    | Final | 01 |
|                    | Optimal           | < 100       |                 |       |    |
|                    | Above optimal     | 100 - 129   |                 |       |    |
|                    | Borderline        | 130 - 159   |                 |       |    |
|                    | High              | 160 - 189   |                 |       |    |
|                    | Very high         | > 189       |                 |       |    |
| HDL-C              |                   | 57          | >39 / mg/dL     | Final | 01 |
| Triglycerides      | Above High Normal | 242         | 0-149 / mg/dL   | Final | 01 |
| Cholesterol, Total | Above High Normal | 244         | 100-199 / mg/dL | Final | 01 |
| HDL-P (Total)      |                   | 41.8        | >=30.5 / umol/L | Final | 01 |
| Small LDL-P        | Above High Normal | 638         | <=527 / nmol/L  | Final | 01 |

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Reported Date/Time:

| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

|          |  |      |            |       |    |
|----------|--|------|------------|-------|----|
| LDL Size |  | 21.4 | >20.5 / nm | Final | 01 |
|----------|--|------|------------|-------|----|

\*\* INTERPRETATIVE INFORMATION\*\*

PARTICLE CONCENTRATION AND SIZE

<--Lower CVD Risk    Higher CVD Risk-->

LDL AND HDL PARTICLES    Percentile in Reference Population

| HDL-P (total) | High  | 75th | 50th | 25th | Low   |
|---------------|-------|------|------|------|-------|
|               | >34.9 | 34.9 | 30.5 | 26.7 | <26.7 |

| Small LDL-P | Low  | 25th | 50th | 75th | High |
|-------------|------|------|------|------|------|
|             | <117 | 117  | 527  | 839  | >839 |

| LDL Size | <-Large (Pattern A)--> |      | <-Small (Pattern B)--> |      |
|----------|------------------------|------|------------------------|------|
|          | 23.0                   | 20.6 | 20.5                   | 19.0 |

Small LDL-P and LDL Size are associated with CVD risk, but not after  
 LDL-P is taken into account.

|             |                   |    |      |       |    |
|-------------|-------------------|----|------|-------|----|
| LP-IR Score | Above High Normal | 62 | <=45 | Final | 01 |
|-------------|-------------------|----|------|-------|----|

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Account Name:

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| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

INSULIN RESISTANCE MARKER

<--Insulin Sensitive      Insulin Resistant-->

Percentile in Reference Population

Insulin Resistance Score

| LP-IR Score | Low | 25th | 50th | 75th | High |
|-------------|-----|------|------|------|------|
|             | <27 | 27   | 45   | 63   | >63  |

LP-IR Score is inaccurate if patient is non-fasting.

The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment.

003772 Urinalysis, Complete

|                  |          |                |       |    |
|------------------|----------|----------------|-------|----|
| Specific Gravity | 1.024    | 1.005-1.030    | Final | 01 |
| pH               | 5.0      | 5.0-7.5        | Final | 01 |
| Urine-Color      | Yellow   | Yellow         | Final | 01 |
| Appearance       | Clear    | Clear          | Final | 01 |
| WBC Esterase     | Negative | Negative       | Final | 01 |
| Protein          | Negative | Negative/Trace | Final | 01 |
| Glucose          | Negative | Negative       | Final | 01 |
| Ketones          | Negative | Negative       | Final | 01 |

|                       |
|-----------------------|
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|                       |
|-----------------------|
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| Received Date/Time:   |
| Reported Date/Time:   |

| Result Name                                  | Flag | Result     | Range/Units     | Status | Lab |
|----------------------------------------------|------|------------|-----------------|--------|-----|
| Occult Blood                                 |      | Negative   | Negative        | Final  | 01  |
| Bilirubin                                    |      | Negative   | Negative        | Final  | 01  |
| Urobilinogen,Semi-Qn                         |      | 0.2        | 0.2-1.0 / mg/dL | Final  | 01  |
| Nitrite, Urine                               |      | Negative   | Negative        | Final  | 01  |
| Microscopic Examination                      |      |            |                 | Final  | 01  |
| Microscopic follows if indicated.            |      |            |                 |        |     |
| Microscopic Examination                      |      | See below: |                 | Final  | 01  |
| Microscopic was indicated and was performed. |      |            |                 |        |     |

## 333328 Microscopic Examination

|                              |          |           |                  |       |    |
|------------------------------|----------|-----------|------------------|-------|----|
| WBC                          | Abnormal | 6-10      | 0 - 5 / /hpf     | Final | 01 |
| RBC                          |          | 0-2       | 0 - 2 / /hpf     | Final | 01 |
| Epithelial Cells (non renal) |          | 0-10      | 0 - 10 / /hpf    | Final | 01 |
| Casts                        |          | None seen | None seen / /lpf | Final | 01 |
| Bacteria                     |          | Few       | None seen/Few    | Final | 01 |

## 001321 Iron and TIBC

|                      |  |     |                 |       |    |
|----------------------|--|-----|-----------------|-------|----|
| Iron Bind.Cap.(TIBC) |  | 368 | 250-450 / ug/dL | Final | 01 |
| UIBC                 |  | 296 | 131-425 / ug/dL | Final | 01 |
| Iron Saturation      |  | 18  | 15-55 / %       | Final | 01 |

## 028480 FSH and LH

|    |  |      |        |       |    |
|----|--|------|--------|-------|----|
| LH |  | 32.0 | mIU/mL | Final | 01 |
|----|--|------|--------|-------|----|

Adult Female:

Follicular phase 2.4 - 12.6

|                       |
|-----------------------|
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| Specimen ID:          |

|                       |
|-----------------------|
| Account Number:       |
| Account Name:         |
| Collection Date/Time: |
| Received Date/Time:   |
| Reported Date/Time:   |

| Result Name                        | Flag                                       | Result       | Range/Units       | Status | Lab |
|------------------------------------|--------------------------------------------|--------------|-------------------|--------|-----|
| FSH                                | Ovulation phase                            | 14.0 - 95.6  |                   |        |     |
|                                    | Luteal phase                               | 1.0 - 11.4   |                   |        |     |
|                                    | Postmenopausal                             | 7.7 - 58.5   |                   |        |     |
|                                    |                                            | 42.9         | mIU/mL            | Final  | 01  |
|                                    | Adult Female:                              |              |                   |        |     |
| 140103 Testosterone,Free and Total | Follicular phase                           | 3.5 - 12.5   |                   |        |     |
|                                    | Ovulation phase                            | 4.7 - 21.5   |                   |        |     |
|                                    | Luteal phase                               | 1.7 - 7.7    |                   |        |     |
|                                    | Postmenopausal                             | 25.8 - 134.8 |                   |        |     |
|                                    |                                            |              |                   |        |     |
| 001453 Hemoglobin A1c              | Testosterone                               | 37           | 4-50 / ng/dL      | Final  | 01  |
|                                    | Free Testosterone(Direct)                  | 2.5          | 0.0-4.2 / pg/mL   | Final  | 01  |
| 001974 Thyroxine (T4) Free, Direct | Hemoglobin A1c                             | 5.6          | 4.8-5.6 / %       | Final  | 01  |
|                                    |                                            | .            |                   |        |     |
|                                    | Prediabetes:                               | 5.7 - 6.4    |                   |        |     |
|                                    | Diabetes:                                  | >6.4         |                   |        |     |
|                                    | Glycemic control for adults with diabetes: | <7.0         |                   |        |     |
| 001974 Thyroxine (T4) Free, Direct |                                            |              |                   |        |     |
|                                    | T4,Free(Direct)                            | 1.29         | 0.82-1.77 / ng/dL | Final  | 01  |



|                       |                       |
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| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

## 002014 Folate (Folic Acid), Serum

|                            |      |              |       |    |
|----------------------------|------|--------------|-------|----|
| Folate (Folic Acid), Serum | 15.4 | >3.0 / ng/mL | Final | 01 |
|----------------------------|------|--------------|-------|----|

A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.

## 004020 DHEA-Sulfate

|              |       |                    |       |    |
|--------------|-------|--------------------|-------|----|
| DHEA-Sulfate | 193.0 | 41.2-243.7 / ug/dL | Final | 01 |
|--------------|-------|--------------------|-------|----|

## 004051 Cortisol

|          |     |                  |       |    |
|----------|-----|------------------|-------|----|
| Cortisol | 6.6 | 6.2-19.4 / ug/dL | Final | 01 |
|----------|-----|------------------|-------|----|

Please Note: The reference interval and flagging for this test is for an AM collection. If this is a PM collection please use: Cortisol PM: 2.3-11.9

Labcorp also offers:

104018: Cortisol- AM

104026: Cortisol- PM

## 004515 Estradiol

|           |      |       |       |    |
|-----------|------|-------|-------|----|
| Estradiol | 25.3 | pg/mL | Final | 01 |
|-----------|------|-------|-------|----|

Adult Female:

|                  |              |
|------------------|--------------|
| Follicular phase | 12.5 - 166.0 |
|------------------|--------------|

|                 |              |
|-----------------|--------------|
| Ovulation phase | 85.8 - 498.0 |
|-----------------|--------------|

|              |              |
|--------------|--------------|
| Luteal phase | 43.8 - 211.0 |
|--------------|--------------|

|                       |                       |
|-----------------------|-----------------------|
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| Sex:                  |                       |
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| Patient ID:           | Received Date/Time:   |
| Specimen ID:          | Reported Date/Time:   |

| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

Postmenopausal <6.0 - 54.7

Pregnancy

1st trimester 215.0 - >4300.0

Roche ECLIA methodology

## 010363 IGF-1

|                              |     |                |       |    |
|------------------------------|-----|----------------|-------|----|
| Insulin-Like Growth Factor I | 133 | 70-225 / ng/mL | Final | 01 |
|------------------------------|-----|----------------|-------|----|

## 017509 Vitamin A, Serum

|           |      |                   |       |    |
|-----------|------|-------------------|-------|----|
| Vitamin A | 59.2 | 20.1-62.0 / ug/dL | Final | 01 |
|-----------|------|-------------------|-------|----|

Reference intervals for vitamin A determined from LabCorp internal studies. Individuals with vitamin A less than 20 ug/dL are considered vitamin A deficient and those with serum concentrations less than 10 ug/dL are considered severely deficient.

This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.

## 081950 Vitamin D, 25-Hydroxy

|                       |                  |      |                    |       |    |
|-----------------------|------------------|------|--------------------|-------|----|
| Vitamin D, 25-Hydroxy | Below Low Normal | 27.1 | 30.0-100.0 / ng/mL | Final | 01 |
|-----------------------|------------------|------|--------------------|-------|----|

Vitamin D deficiency has been defined by the Institute of

|                       |                       |
|-----------------------|-----------------------|
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| Sex:                  |                       |
| Referring Dr (NPI #): | Collection Date/Time: |
| Patient ID:           | Received Date/Time:   |
| Specimen ID:          | Reported Date/Time:   |

| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2).

The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).

1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.
2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.

## 120766 C-Reactive Protein, Cardiac

|                                               |             |                  |       |    |
|-----------------------------------------------|-------------|------------------|-------|----|
| C-Reactive Protein, Cardiac                   | 1.93        | 0.00-3.00 / mg/L | Final | 01 |
| Relative Risk for Future Cardiovascular Event |             |                  |       |    |
| Low                                           | <1.00       |                  |       |    |
| Average                                       | 1.00 - 3.00 |                  |       |    |
| High                                          | >3.00       |                  |       |    |

## 706994 Homocyst(e)ine

|                |     |                   |       |    |
|----------------|-----|-------------------|-------|----|
| Homocyst(e)ine | 7.0 | 0.0-14.5 / umol/L | Final | 01 |
|----------------|-----|-------------------|-------|----|

|                       |
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| Result Name | Flag | Result | Range/Units | Status | Lab |
|-------------|------|--------|-------------|--------|-----|
|-------------|------|--------|-------------|--------|-----|

## 001503 Vitamin B12

|             |                   |      |                  |       |    |
|-------------|-------------------|------|------------------|-------|----|
| Vitamin B12 | Above High Normal | 1859 | 232-1245 / pg/mL | Final | 01 |
|-------------|-------------------|------|------------------|-------|----|

## 004275 Growth Hormone, Serum

|                       |  |     |                  |       |    |
|-----------------------|--|-----|------------------|-------|----|
| Growth Hormone, Serum |  | 0.1 | 0.0-10.0 / ng/mL | Final | 01 |
|-----------------------|--|-----|------------------|-------|----|

## 004317 Progesterone

|              |  |     |       |       |    |
|--------------|--|-----|-------|-------|----|
| Progesterone |  | 0.2 | ng/mL | Final | 01 |
|--------------|--|-----|-------|-------|----|

|                  |           |
|------------------|-----------|
| Follicular phase | 0.1 - 0.9 |
|------------------|-----------|

|              |            |
|--------------|------------|
| Luteal phase | 1.8 - 23.9 |
|--------------|------------|

|                 |            |
|-----------------|------------|
| Ovulation phase | 0.1 - 12.0 |
|-----------------|------------|

|          |  |
|----------|--|
| Pregnant |  |
|----------|--|

|                 |             |
|-----------------|-------------|
| First trimester | 11.0 - 44.3 |
|-----------------|-------------|

|                  |             |
|------------------|-------------|
| Second trimester | 25.4 - 83.3 |
|------------------|-------------|

|                 |              |
|-----------------|--------------|
| Third trimester | 58.7 - 214.0 |
|-----------------|--------------|

|                |           |
|----------------|-----------|
| Postmenopausal | 0.0 - 0.1 |
|----------------|-----------|

## 004549 Estrogens, Total

|                  |  |    |       |       |    |
|------------------|--|----|-------|-------|----|
| Estrogens, Total |  | 93 | pg/mL | Final | 01 |
|------------------|--|----|-------|-------|----|

|             |      |
|-------------|------|
| Prepubertal | < 40 |
|-------------|------|

|               |  |
|---------------|--|
| Female Cycle: |  |
|---------------|--|

|           |          |
|-----------|----------|
| 1-10 Days | 16 - 328 |
|-----------|----------|

|            |          |
|------------|----------|
| 11-20 Days | 34 - 501 |
|------------|----------|

Patient Name:

Patient Phone:

Date of Birth (Age):

Sex:

Referring Dr (NPI #):

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Received Date/Time:

Reported Date/Time:

| Result Name                         | Flag            | Result | Range/Units         | Status | Lab |
|-------------------------------------|-----------------|--------|---------------------|--------|-----|
|                                     | 21-30 Days      | 48     | - 350               |        |     |
|                                     | Post-Menopausal | 40     | - 244               |        |     |
| 010389 Triiodothyronine (T3), Free  |                 |        |                     |        |     |
| Triiodothyronine (T3), Free         |                 | 3.2    | 2.0-4.4 / pg/mL     | Final  | 01  |
| 082016 Sex Horm Binding Glob, Serum |                 |        |                     |        |     |
| Sex Horm Binding Glob, Serum        |                 | 39.7   | 24.6-122.0 / nmol/L | Final  | 01  |

END OF REPORT