



COLLEGE of AMERICAN  
PATHOLOGISTS

325 Meekegan Road, Northfield, Illinois 60093-2750  
800-323-4040 • cap.org

ORIGINAL EVALUATION

Y-A 2021 Ligand-Special

INSTITUTION:

Klinikum der Universitat Munchen  
Munich GE 80336

ATTENTION:

Tim Kuehnle PhD

CAP NUMBER:

8481165-01

Kit# 1

KIT INFORMATION:

Kit ID:

Kit Mailed:

Original Evaluation:

33827481

5/24/2021

7/9/2021

Next Mailing Date:

9/20/2021

COPIED TO:

CAP

LEGEND:

Exception Reason Codes appearing in this evaluation:

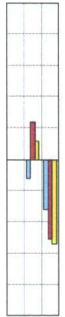
[20] = Response was not formally graded due to insufficient peer group data. Please see the participant summary for additional information.  
[22] = Result is outside the method/instrument reportable range.

Reviewed By

Date

## EVALUATION

### Y-A 2021 Ligand-Special

| Test<br>Unit of Measure<br>Peer Group                  | Specimen | Evaluation and Comparative Method Statistics |        |      |                |       |                                        |               | Plot of the Relative Distance of Your Results from<br>Target as Percentages of allowed Deviation<br>Survey -100-----Mean-----+100 |
|--------------------------------------------------------|----------|----------------------------------------------|--------|------|----------------|-------|----------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------|
|                                                        |          | Your<br>Result                               | Mean   | S.D. | No. of<br>Labs | S.D.I | Limits of Acceptability<br>Lower Upper | Your<br>Grade |                                                                                                                                   |
| <b>Androstenedione</b><br>ng/dL<br>OTHER               | Y-01     | 126.00                                       |        |      | 12             |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-02     | 34.00                                        |        |      | 11             |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-03     | 85.00                                        |        |      | 12             |       |                                        | See Note [20] |                                                                                                                                   |
| <b>DHEA Sulfate</b><br>ug/dL<br>OTHER                  | Y-01     | 620.0                                        |        |      | 4              |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-02     | 120.0                                        |        |      | 4              |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-03     | 330.0                                        |        |      | 4              |       |                                        | See Note [20] |                                                                                                                                   |
| <b>Growth Hormone</b><br>ng/mL (ug/L)<br>IDS i10, iSYS | Y-01     | 21.9                                         | 20.94  | 0.57 | 12             | +1.7  | 19.2 22.7                              | Acceptable    | Y-A 2021<br>Y-B 2020<br>                       |
|                                                        | Y-02     | 9.7                                          | 9.28   | 0.25 | 12             | +1.7  | 8.5 10.1                               | Acceptable    |                                                                                                                                   |
|                                                        | Y-03     | 15.5                                         | 15.17  | 0.34 | 12             | +1.0  | 14.1 16.2                              | Acceptable    |                                                                                                                                   |
| <b>17-Hydroxyprogesterone</b><br>ng/dL<br>OTHER        | Y-01     | 604.0                                        |        |      | 24             |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-02     | 90.0                                         |        |      | 23             |       |                                        | See Note [20] |                                                                                                                                   |
|                                                        | Y-03     | 350.0                                        |        |      | 25             |       |                                        | See Note [20] |                                                                                                                                   |
| <b>IGF-1</b><br>ng/mL<br>IDS i10, iSYS                 | Y-01     | 122.0                                        | 111.38 | 8.35 | 20             | +1.3  | 86.3 136.5                             | Acceptable    | Y-A 2021<br>Y-B 2020<br>Y-A 2020<br>           |
|                                                        | Y-02     | 69.0                                         | 64.85  | 3.12 | 19             | +1.3  | 55.4 74.3                              | Acceptable    |                                                                                                                                   |
|                                                        | Y-03     | 96.0                                         | 87.82  | 5.95 | 20             | +1.4  | 69.9 105.7                             | Acceptable    |                                                                                                                                   |

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**Institution:** Klinikum der Universität München  
**Attention:** Tim Kuehnle PhD  
**City / State:** Munich GE 80336

**Kit ID:** 33827481  
**Kit Mailed:** 5/24/2021  
**Original Evaluation:** 7/9/2021

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|------------------------------------------|----------------------------------------------|----------------|--------|-------|----------------|-------|-------------------------|-------|---------------|--|--------------------------------------------------------------------------------------------------------------------------------------|
|                                          | Specimen                                     | Your<br>Result | Mean   | S.D.  | No. of<br>Labs | S.D.I | Limits of Acceptability |       | Your<br>Grade |  |                                                                                                                                      |
| Testosterone<br>ng/dL<br>OTHER           | Y-01                                         | 602.9          |        |       | 2              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | Y-02                                         | 116.2          |        |       | 2              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | Y-03                                         | 381.4          |        |       | 2              |       |                         |       | See Note [20] |  |                                                                                                                                      |
| SHBG nmol/L<br>nmol/L<br>OTHER           | Y-01                                         | 102.86         |        |       | 4              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | Y-02                                         | 21.68          |        |       | 4              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | Y-03                                         | 65.66          |        |       | 4              |       |                         |       | See Note [20] |  |                                                                                                                                      |
| C-Peptide<br>ng/mL<br>DIASORIN LIAISON   | ING-01                                       | 1.80           | 1.920  | 0.218 | 11             | -0.6  | 1.26                    | 2.58  | Acceptable    |  |                                                                                                                                      |
|                                          | ING-02                                       | 5.96           | 6.120  | 0.534 | 11             | -0.3  | 4.51                    | 7.73  | Acceptable    |  |                                                                                                                                      |
|                                          | ING-03                                       | 9.34           | 9.788  | 0.833 | 11             | -0.5  | 7.28                    | 12.29 | Acceptable    |  |                                                                                                                                      |
| Insulin<br>uIU/mL<br>DIASORIN            | ING-01                                       | 20.8           |        |       | 9              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | ING-02                                       | 68.9           |        |       | 9              |       |                         |       | See Note [20] |  |                                                                                                                                      |
|                                          | ING-03                                       | 213.7          |        |       | 9              |       |                         |       | See Note [20] |  |                                                                                                                                      |
| Aldosterone<br>ng/dL<br>DIASORIN LIAISON | RAP-01                                       | 8.50           | 7.265  | 1.106 | 63             | +1.1  | 3.94                    | 10.59 | Acceptable    |  |                                                                                                                                      |
|                                          | RAP-02                                       |                | 1.917  | 0.791 | 29             |       |                         |       | See Note [22] |  |                                                                                                                                      |
|                                          | RAP-03                                       | 50.80          | 43.685 | 3.577 | 61             | +2.0  | 32.95                   | 54.42 | Acceptable    |  |                                                                                                                                      |

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|------------------------------------------------|----------------------------------------------|----------------|--------|-------|----------------|-------|-------------------------|-------|---------------|----------|--------------------------------------------------------------------------------------------------|--|
|                                                | Specimen                                     | Your<br>Result | Mean   | S.D.  | No. of<br>Labs | S.D.I | Limits of Acceptability |       | Your<br>Grade | Survey   | -100-----Mean-----+100                                                                           |  |
| Renin, direct<br><br>DIASORIN LIAISON<br>uU/mL | RAP-01                                       | 80.1           | 84.00  | 13.38 | 27             | -0.3  | 43.8                    | 124.2 | Acceptable    | Y-A 2021 | <div>-100 -80 -60 -40 -20 0 20 40 60 80 100</div>                                                |  |
|                                                | RAP-02                                       | 31.1           | 32.63  | 5.55  | 27             | -0.3  | 15.9                    | 49.3  | Acceptable    | Y-B 2020 |                                                                                                  |  |
|                                                | RAP-03                                       | 144.9          | 161.97 | 18.52 | 26             | -0.9  | 106.4                   | 217.6 | Acceptable    | Y-A 2020 |                                                                                                  |  |

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