

ENG

Instructions for Use:
RAT QUALITY CONTROL SET

Catalogue number:
RTC900R

For research use only!

 **BioVendor**
R&D[®]



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Example Version

HISTORY OF CHANGES

| Previous version | Current version |
|--|-----------------|
| ENG.007.A | ENG.008.A |
| History of changes added | |
| Rat Prolactin (RTC006R) removed from chapter 1,2,3 | |
| Chapter 3: values in tables changed | |

1. MATERIALS SUPPLIED, STORAGE AND STABILITY

Rat control sera suitable for internal control quality of the following BioVendor ELISA:

| | |
|---------------------------------|-----------|
| Mouse/Rat Corticosterone | (RTC002R) |
| Mouse/Rat Testosterone | (RTC001R) |
| Rat Thyroid Stimulating Hormone | (RTC007R) |
| Mouse/Rat Progesterone | (RTC008R) |
| Rat Estradiol | (RTC009R) |

| Components | Content | Preparation | Storage at | Shelf life |
|--|-------------------------|--|---|---|
| Rat Control 1/2: Two levels of Corticosterone, Prolactin, Testosterone, TSH, Progesterone and Estradiol in rat serum | 1 Set 2 vials à 1 ml | lyophilized; reconstitute each vial with 1 ml dist. H ₂ O 30 minutes before use | 2 - 8 °C; after reconstitution store in aliquots at -20 °C | 6 months after reconstitution or until the expiration date |

2. APPLICATION

According to the respective package insert of the BioVendor ELISA kits

Mouse/Rat Corticosterone (RTC002R), Mouse/Rat Testosterone (RTC001R) and Rat Thyroid Stimulating Hormone (RTC007R), Mouse/Rat Progesterone (RTC008R), Rat Estradiol (RTC009R) the control can be used for internal quality control. The procedure calls for **equivalent sample volume** per test.

3. TARGET VALUES

The values provided here are intended as guidelines only. Because of many sources of inter-laboratory variations each laboratory should develop its own expected values.

| Parameter | | Mean (ng/ml) | Target Range (ng/ml) |
|--------------|-----------|--------------|----------------------|
| Testosterone | Control 1 | 2.6 | 1.5 – 3.6 |
| | Control 2 | 6.5 | 3.9 – 9.1 |





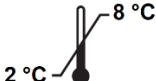




| Parameter | | Mean (ng/ml) | Target Range (ng/ml) |
|----------------|-----------|--------------|----------------------|
| Corticosterone | Control 1 | 60.1 | 36.1 – 84.2 |
| | Control 2 | 418 | 251 – 585 |

| Parameter | | Mean (ng/ml) | Target Range (ng/ml) |
|-----------------------------|-----------|--------------|----------------------|
| Thyroid Stimulating Hormone | Control 1 | 3.9 | 2.3 – 5.4 |
| | Control 2 | 8.6 | 5.1 – 12.0 |

| Parameter | | Mean (ng/ml) | Target Range (ng/ml) |
|--------------|-----------|--------------|----------------------|
| Progesterone | Control 1 | 5.4 | 3.2 – 7.6 |
| | Control 2 | 19.8 | 11.9 – 27.8 |

| Parameter | | Mean (pg/ml) | Target Range (pg/ml) |
|-----------|-----------|--------------|----------------------|
| Estradiol | Control 1 | 83.9 | 50.4 – 118 |
| | Control 2 | 234 | 140 – 327 |

4. EXPLANATION OF SYMBOLS

| | |
|--|---|
|  | Catalogue number |
|  | Batch code |
|  | Caution |
|  | Use by date |
|  | Temperature limit |
|  | Manufacturer |
|  <p data-bbox="256 1182 464 1205">www.biovendor.com</p> | Read electronic instructions for use - eIFU |
|  | The content is sufficient for 96 tests |
|  | Biological risks |



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