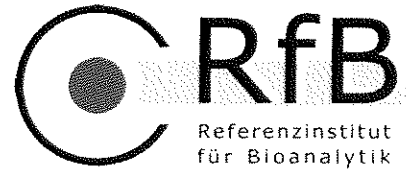


Survey: HM2/19
month: April 2019
Participant-No: 6426202
date of issue: 27.04.19



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Dr. W. J. Geilenkeuser
Dr. A. Kessler

Bonn, 4. June 2019

Certificate

We confirm that you have participated in the survey for hormone determinations in serum.

You have met the requirements of the survey for the following analytes:

| | | | | | |
|--------------|-----|--------------|-----|------------------|-----|
| Aldosterone | (4) | Cortisol | (4) | Estradiol-17beta | (4) |
| Progesterone | (4) | Testosterone | (4) | T3, free | (4) |
| T4, free | (4) | TSH | (4) | DHEA-S | (4) |
| Ferritin | (4) | | | | |

This certificate is valid until the end of October 2019.

The number in parentheses characterizes the analytical method used.
The assignment of the number to the respective method and/or the respective instrument is to be taken from the total evaluation.