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Exemplary version - do not use for assay accomplishment!
Exemplarische Version - nicht zur Assaydurchführung benutzen!

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KURZANLEITUNG – hLEPTIN-SENSITIV ELISA E077

| Rekonstitution/ Verdünnung von Reagenzien | | |
|---|--|-------------------------------------|
| Standards A-E | Rekonstitution in Verdünnungspuffer VP (anschließend lagern bei -20°C) | 1 ml |
| Kontrollserum KS1&KS2 | Rekonstitution in Verdünnungspuffer VP (anschließend lagern bei -20°C) | 250 μl |
| Waschpuffer WP | verdünnen in A. dest. (z.B. die gesamte Menge von 50 ml im Standzylinder auf 1000 ml auffüllen) | 1:20 |
| Probenverdünnung: je nach Probe verschieden, Serumproben i.a. z.B. 1:10, davon 100 μl pro Bestimmung einsetzen | | |
| Vor der Testdurchführung alle Reagenzien auf Raumtemperatur bringen. | | |

Vorschlag zur Testdurchführung in Doppelbestimmung:

| Pipettieren | Reagenzien | Position |
|---|--|--|
| 100 μl | Verdünnungspuffer VP als Leerwert | A1 und A2 |
| 100 μl | Standard A (0.05 ng/ml) | B1 und B2 |
| 100 μl | Standard B (0.5 ng/ml) | C1 und C2 |
| 100 μl | Standard C (1.5 ng/ml) | D1 und D2 |
| 100 μl | Standard D (3.5 ng/ml) | E1 und E2 |
| 100 μl | Standard E (5 ng/ml) | F1 und F2 |
| 100 μl | Kontrollserum KS1 | G1 und G2 |
| 100 μl | Kontrollserum KS2 | H1 und H2 |
| 100 μl | Probe | in die restlichen Vertiefungen nach Bedarf pipettieren |
| Mit Klebefolie die Vertiefungen dicht abdecken. | | |

Inkubation: 1 h bei RT (20-25°C), 350 rpm

| | | |
|----------------------|--|--------------------|
| 3x 300 μl | Absaugen und die Platte 3x mit je 300 μl Waschpuffer WP / Vertiefung waschen. | In jede Vertiefung |
| 100 μl | Antikörper-POD-Konjugat AK | In jede Vertiefung |

Inkubation: 30 min bei RT (20-25°C), 350 rpm

| | | |
|----------------------|--|--------------------|
| 3x 300 μl | Absaugen und die Platte 3x mit je 300 μl Waschpuffer WP / Vertiefung waschen. | In jede Vertiefung |
| 100 μl | Substratlösung S | In jede Vertiefung |

Inkubation: 15 min im Dunklen bei RT (20-25°C)

| | | |
|--|-----------------------|--------------------|
| 100 μl | Stopplösung SL | In jede Vertiefung |
| Ausmessung innerhalb von 30 min bei 450 nm (Referenzfilter $\geq 590 \text{ nm}$). | | |

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Exemplarische Version - nicht zur Assaydurchführung benutzen!

SUMMARY –hLEPTIN-SENSITIVE ELISA E077

| Reconstitution/ Dilution of reagents | | |
|---|--|---------------|
| Standards A-E | reconstitute in Dilution Buffer VP (after using, store at –20°C) | 1 ml |
| Control Serum KS1&KS2 | reconstitute in Dilution Buffer VP (after using, store at –20°C) | 250 µl |
| Washing Buffer WP | dilute in A. dest. (e.g. add the complete contents of the flask (50 ml) into a graduated flask and fill with A.dest. to 1000 ml). | 1:20 |
| Sample dilution varies regarding the sample type, serum samples generally e.g. 1:10, use 100 µl per determination. | | |
| Before assay procedure bring all reagents to the room temperature . | | |

Proposal of Assay Procedure for double determinations

| Pipette | Reagents | Well positions |
|---------------------------------------|------------------------------------|---|
| 100 µl | Dilution Buffer VP as blank | A1 and A2 |
| 100 µl | Standard A (0.05 ng/ml) | B1 and B2 |
| 100 µl | Standard B (0.5 ng/ml) | C1 and C2 |
| 100 µl | Standard C (1.5 ng/ml) | D1 and D2 |
| 100 µl | Standard D (3.5 ng/ml) | E1 and E2 |
| 100 µl | Standard E (5 ng/ml) | F1 and F2 |
| 100 µl | Control Serum KS1 | G1 and G2 |
| 100 µl | Control Serum KS2 | H1 and H2 |
| 100 µl | Sample | Pipette sample in the rest of the wells according to requirements |
| Cover the wells with the sealing tape | | |

Incubation: 1 h at RT (20-25°C), 350 rpm

| | | |
|-----------|---|-----------|
| 3x 300 µl | Aspirate the contents of the wells and wash 3x with 300 µl Wash Buffer WP/well | each well |
| 100 µl | Antibody-HRP-Conjugate AK | each well |

Incubation: 30 min at RT (20-25°C), 350 rpm

| | | |
|-----------|--|-----------|
| 3x 300 µl | Aspirate the contents of the wells and wash 3x with 300 µl Wash Buffer WP | each well |
| 100 µl | Substrate Solution S | each well |

Incubation: 15 min in the dark at RT (20-25°C)

| | | |
|--|-------------------------|-----------|
| 100 µl | Stop Solution SL | each well |
| Measure the absorbance within 30 min at 450 nm (≥ 590 nm reference) | | |



| | | | |
|---------------------------|----------------------|---|--|
| STD A-E | A -E | Rec in 1ml BUF VP | |
| Control | KS1 & KS2 | Rec in 250 µl BUF VP | 1:10 DILU BUF VP |
| WASHBUF 20x | WP | | 1:20 DILU A. dest. |

| | |
|--------------------|--|
| SPE | 1:10 DILU BUF VP |
| °C 20-25 °C | |


| | | |
|-------------|---|------|
| 100 µl | BUF VP | A1/2 |
| 100 µl | STD A (0.05 ng/ml) | B1/2 |
| 100 µl | STD B (0.5 ng/ml) | C1/2 |
| 100 µl | STD C (1.5 ng/ml) | D1/2 |
| 100 µl | STD D (3.5 ng/ml) | E1/2 |
| 100 µl | STD E (5 ng/ml) | F1/2 |
| 100 µl | CONTROL KS1 1:10 DILU BUF VP | G1/2 |
| 100 µl | CONTROL KS2 1:10 DILU BUF VP | H1/2 |
| 100 µl | SPE 1:10 DILU BUF VP | |
| TAPE | | |

 1 h **°C** 20-25  350 rpm

| | |
|-------------|-----------------------------|
| 3x 300 µl | 3x WASHBUF WP |
| 100 µl | AbCONJ AK |
| TAPE | |

 0.5 h **°C** 20-25  350 rpm

| | |
|-----------|----------------------------------|
| 3x 300 µl | 3x WASHBUF WP |
| 100 µl | SUBST TMB S |

 15 min **°C** 20-25 

| | |
|----------------|--|
| 100 µl | H₂SO₄ SL |
| MEASURE | |