

# Eurolyser solo Daily User Guide



## Warm reagents for 10 minutes

The analyzer has been calibrated based on a 10 minute warming period of the reagents. Results may not be accurate if the warming period of 10 minutes is not followed.

- Fructosamine: EDTA-Plasma, Lithium-Heparin Plasma, Serum
- T4, cCRP, Lipase (Pancreas-specific): Lithium-Heparin Plasma, Serum
- Fibrinogen: Citrate- or Lithium-Heparin Plasma
- NH<sub>3</sub>: EDTA-Plasma
- SAA: Serum
- GLDH: Lithium-Heparin Plasma, Serum
- Phenobarbital: Serum

## Switch on

- Plug in power supply at the rear panel or touch the display, if it is in Standby-Mode
- Continuous operation possible

## Sample Preparation

- Centrifuge the blood sample
- Take out reagents from the fridge and **warm up for 10 minutes at room temperature**
- **Caution:** Handle the measurement cuvettes only at the upper, matte area
- If **T4 > 8 µg/dl**: Repeat the measurement with 5 µL sample volume -> change sample volume at the device - see manual
- If **SAA / cat > 150µg/ml**: Repeat the measurement with a 1:3 (20µL serum + 40µL NaCL) diluted sample. Calculate sample concentration (= result x 3)
- If **Lipase (Pancreas-specific) > 300 U/l**: Repeat the measurement with 5 µL sample volume -> change sample volume at the device - see manual



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T4-, Fructosamine-, Lipase (Pancreas-specific)- and Phenobarbital Measurement

## Warm reagents for 10 minutes

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1. Insert **RFID card** into the card reader (Fig. 1)

2.  Press

3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species


8.  Press twice

9. Remove cap of the measurement cuvette

10. Pipette **20 µL plasma / serum** directly in the reagent of the measurement cuvette


11. Apply **reagent tube cap** firmly (Fig. 2)

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette

16.  Close shutter

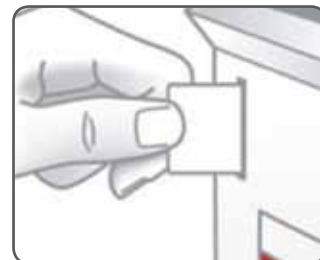


Fig. 1



Fig. 2

## Review Result

1. Press 

2. Press **>>** or **>>** to select a result



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## SAA-Measurement: Cat

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#### 1. Screening examination

- Run a sample with 5µL serum (not diluted)
- If SAA > 150 µg/ml:  
Repeat the measurement with a 1:3 (20µL serum + 40µL NaCL) diluted sample. Calculate sample concentration (= result x 3)

#### 2. Gradient control with a previous SAA result of >150 µg/ml:

Dilute sample 1:3 (20µL serum + 40µL NaCL) and start measuring. Calculate sample concentration (= result x 3)

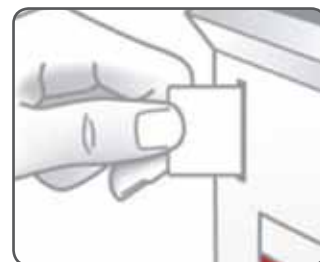



Fig. 3

#### Run a Sample

1. Insert **RFID card** into the card reader (Fig. 3)

2.  Press

3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species


8.  Press twice

9. Remove cap of the measurement cuvette

10. Pipette **5 µL serum** directly in the reagent of the measurement cuvette

11. Apply **reagent tube cap** firmly (Fig. 4)

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette


16.  Close shutter



Fig. 4



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## Fibrinogen-Measurement

### Warm reagents for 10 minutes

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1. Insert **RFID Card** in the card reader (Fig. 6)
2.  Press
3.  Select line **ID**
4.  Type in **Patient-ID**
5.  Confirm
6.  Select line **species**
7.  Select species
8.  Press twice
9. Remove cap of the measurement cuvette
10. Pipette **5 µL of plasma** directly in the reagent of the measurement cuvette
11. Apply **reagent tube cap** firmly (Fig. 7)
12. Place **measurement cuvette** into the device
13.  Close door
14. Result appears in the display – door opens
15. Remove measurement cuvette
16.  Door closes

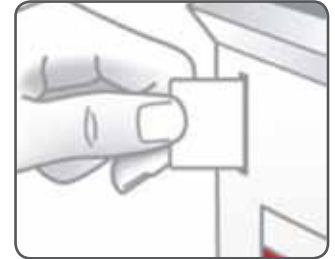


Fig. 6



Fig. 7

### Review Result

1. Press 
2. Press **>>** or **>>** to select a result



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## NH<sub>3</sub>-Measurement


### Warm reagents for 10 minutes


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1. Insert **RFID card** into the card reader (Fig. 8)


2.  Press


3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species


8.  Press twice

9. Remove cap of the measurement cuvette

10. Pipette **20 µL EDTA plasma** directly in the reagent  
of the measurement cuvette


11. Apply **measurement cuvette cap** firmly

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette

16.  Close shutter

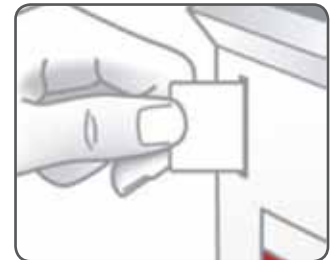


Fig. 8

### Review Result

1. Press 

2. Press >> or >> to select a result



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## cCRP-Measurement

### Warm reagents for 10 minutes


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1. Insert **RFID card** into the card reader (Fig. 1)

2.  Press

3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species

8.  Press twice


9. Remove cap of the measurement cuvette

10. Pipette **5 µL serum/plasma** directly in the reagent of the measurement cuvette

**CAUTION:** Do not use icteric or lipaemic sample.


11. Apply **reagent tube cap** firmly (Fig. 2)

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette

16.  Close shutter

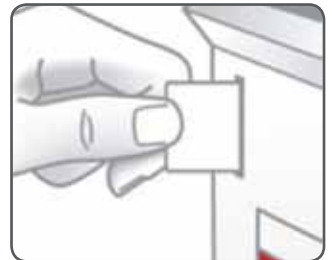


Fig. 1



Fig. 2

### Review Result

1. Press 

2. Press **>>** or **>>** to select a result



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## Phenobarbital-Measurement


### Warm reagents for 10 minutes


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1. Insert **RFID card** into the card reader (Fig. 1)


2.  Press

3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species


8.  Press twice

9. Remove cap of the measurement cuvette

10. Pipette **20 µL serum** directly in the reagent  
of the measurement cuvette


11. Apply **reagent tube cap** firmly (Fig. 2)

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette

16.  Close shutter

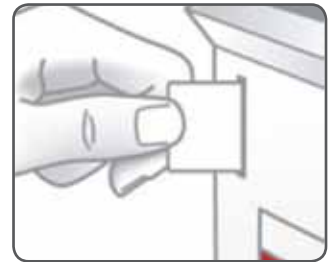


Fig. 1



Fig. 2

### Review Result

1. Press 

2. Press **>>** or **>>** to select a result



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## GLDH-Measurement

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1. Insert **RFID card** into the card reader (Fig. 1)


2.  Press

3.  Select line **ID**

4.  Type in **Patient-ID**

5.  Confirm

6.  Select line **species**

7.  Select species

8.  Press twice


9. Remove cap of the measurement cuvette

10. Pipette **100 µL serum/plasma** directly in the reagent of the measurement cuvette

**CAUTION:** Do not use icteric or lipaemic sample.


11. Apply **reagent tube cap** firmly (Fig. 2)

12. Place **measurement cuvette** into the device

13.  Close shutter

14. Result appears in the display – shutter opens

15. Remove measurement cuvette

16.  Close shutter

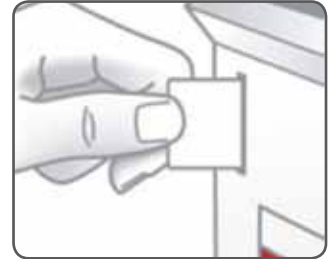


Fig. 1



Fig. 2

### Review Result

1. Press 

2. Press **>>** or **>>** to select a result



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