Step by step instructions

NEFA (free fatty acids)

Example: 2 samples

Additionally required: Free fatty acids standard (NEFA ST), Diaglobal-round cuvettes (LH 075)

1. According to instruction prepare the reagent mixtures

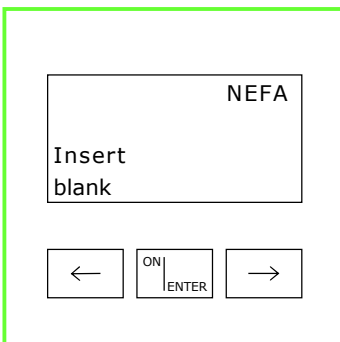Thereafter, pipette 1000 µL of the bottle R1a in each cuvette

2. Pipette samples:
cuvette 1: nothing (= blank)
cuvette 2: 50 µL standard
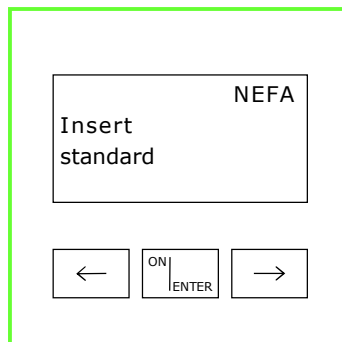cuvette 3: 50 µL sample 1
cuvette 4: 50 µL sample 2

Close cuvettes, mix and leave for 10 minutes

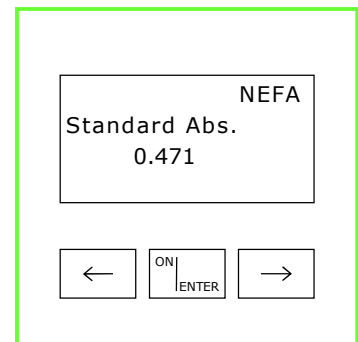**3.** After 10 minutes of waiting time pipette 500 µL R2a in each cuvette

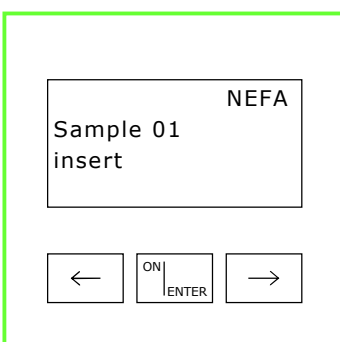Close and mix again and leave again at room temperature for 10 minutes

---

```
                    NEFA

Insert
blank


  ←     ON|       →
        |ENTER
```

4. Switch on the photometer with ON/ENTER

Wait for device check, confirm with ON/ENTER

Select NEFA, confirm with ON/ENTER

```
                    NEFA

Insert
standard


  ←     ON|       →
        |ENTER
```
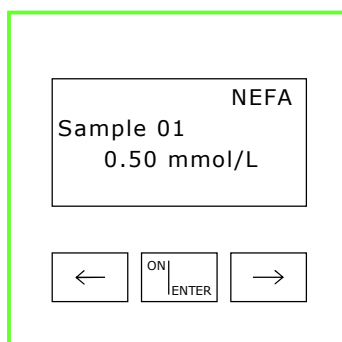
5. Blank adjustment:

Insert cuvette 1 (= blank) into photometer, blank is stored in memory

Remove after signal tone

```
                    NEFA
Standard Abs.
     0.471


  ←     ON|       →
        |ENTER
```

6. Insert cuvette 2 with standard into photometer

Photometer shows Absorption of cuvette with standard

Hint: If necessary, note this value for documentation purposes.

```
                    NEFA
Sample 01
insert


  ←     ON|       →
        |ENTER
```

7. Remove cuvette 2 with standard

```
                    NEFA
Sample 01
     0.50 mmol/L


  ←     ON|       →
        |ENTER
```

8. Insert cuvette 3 (sample 1) and thereafter cuvette 4 (sample 2) into photometer

Read results successively

In regard to serial measurement

After blank setting any number of additional samples can be measured

Hint: To verify the measured values, we recommend carrying a control: NEFA-control (Art. No. NEFA QS)