



DOC273.53.90692

EZ7600 Series – TN/TP

Additional information

03/2019, Edition 1

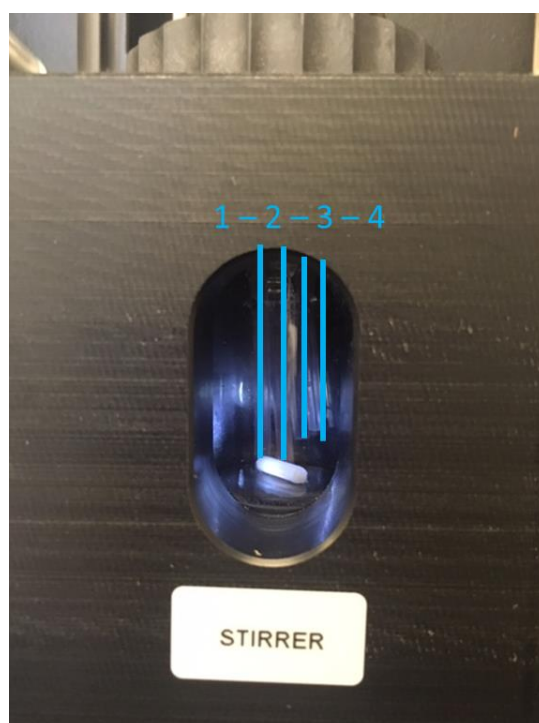
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1. Placement tubings

1.1 Colorimetric vessel

The tubing that needs to be placed at the back of the cuvette are:

- 1) drain tubing*
- 2) transfer tubing*
- 3) dispenser tubing
- 4) flowcell tubing (tubing to the flowcell)



*Control: both the drain tubing and transfer tubing need to have a V incision.

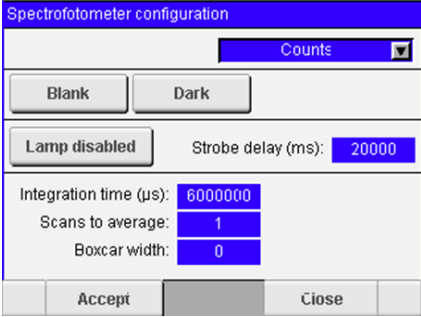
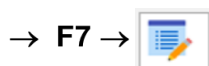
Remark: The dispenser tubing and flowcell tubing don't need an incision. This is because the position is not at the bottom of the cuvette but 3 mm higher. These tubings are positioned higher to avoid solids from the sample entering the tubing.

1.2 Digestion vessel

The transfer tubing should contain a V incision and positioned at the bottom of the vessel. The other tubing should be positioned high enough so that they cannot contacting the sample.

2. Calibration spectrometric system

The lamp of the spectrophotometric system can be turned on:



Spectrophotometer configuration	
Counts	
Blank	Dark
Lamp disabled	Strobe delay (ms): 20000
Integration time (μs):	6000000
Scans to average:	1
Boxcar width:	0
Accept	Close

Configure the following settings:

- Drop down menu: select 'Counts'
- Strobe delay (ms): 15000 ms
- Integration time (μs): 2000000 μs
- Scans to average: 1
- Boxcar with: 0

Press the 'Lamp disabled' button to enable the lamp. Press Accept to save the settings. Select the wavelength (224 nm for TN and 630 nm for TP) and the counts should have a value around 13000-14000 counts. When the counts are too low decrease the strobe delay (15000 – 14000 - ...). If the counts are too high increase the strobe delay.

Remark: the strobe delay has a minimum value of 10000, when this value is reached the integration time can be increased to increase the signal for the counts (2000000 – 3000000).

Write down the values and go to F4 and change the 4 spectrosettings under set spectrophotometer for the 2 methods.