

HARTA RM 168-96 Reference microplate instruction manual.

PLEASE READ CAREFULLY.

- Ensure that no lint or any other material (liquid, etc) is in the light well.
- Do not use any cleaning agent to clean the unit. We recommend using a very soft brush to clean the well windows, avoid scratching the windows.
- Do not put any pressure on the light well window or on the back side of the unit.
- Do not subject the unit to shock, excessive heat or direct sunlight, it is best to keep the unit in its storage case.
- Always turn the unit OFF after each use, DO NOT leave the plate in the machine.
- Check battery status before each use, when the battery is weak, replace the battery (see service instruction).
- No user serviceable parts inside, do not attempt to open the unit, as this will destroy the unit, Do not turn or adjust any screws other than the four screws marked "BATTERY ACCESS" on the back panel
- Keep the unit, (turned OFF), in it's storage case when not in use.
- To operate, Power Switch (1) have to be on I, and Activation Switch (4) has to be pressed, in a machine where switch 4 is not pressed, put a piece of tape to hold switch 4 down, and TURN OFF switch 1 as soon as the test is done, to preserve battery life.
- When light from well #8 is very low*, it is an indication that the battery needs to be replaced

Instruction for first time user:

Establish a baseline data for your particular luminometer:

- Turn On the Power Switch (1) on the bottom side of the unit using the supplied tool.
- Test the battery using the supplied tool, by pressing the TEST button(2), while pressing the activation switch(4). If the TEST light (3) is ON, the battery is OK. If the TEST light is not ON, the battery is weak, see service instruction.
- Verify the performance of the luminometer by other means (i.e. serial dilution of ATP, etc.)
- Place the unit in luminometer, and read the unit several times, calculate the average reading result, and write it down and keep it as a record. These numbers will be the baseline for this unit. The data on the certificate may not match your machine's readings, this is normal, because the detector used in our instrument is very likely different from the detector in your instrument.

Service:

When the battery is weak, order replacement battery from Harta Instruments, at the address shown on the back cover of the unit, by phone, fax or email. Our email address is: info@hartainstruments.com. Remove the four screws marked "BATTERY ACCESS" on the left side of the back covers, using the supplied screwdriver.

Gently remove the old battery from the connectors, and replace with the new battery, making sure that the connectors are properly inserted all the way. Reinstall the cover with the four screws. We recommend replacing the old screws with the 4 new screws supplied in the battery bag.

CAUTION: DO NOT REMOVE OR TURN ANY OTHER SCREWS. Removing or turning any other screws will void the warranty and render the unit inoperable and irreparable.

USE BATTERY FROM HARTA INSTRUMENTS ONLY, these batteries are custom manufactured for use in these plates. Use of other batteries may damage the unit and will void warranty. To order replacement battery, contact us at www.hartainstruments.com

Warranty:

Harta warrants this product, except the battery, to be free from manufacturing defects in materials and workmanship for one year from the date of purchase. This warranty does not cover damage resulting from abuse, misuse, neglect, abnormal use, mishandling, spillage, removal or turning of screws other than the "BATTERY ACCESS" screws.

- 1: Power Switch 1 = 'ON', 0 = 'OFF'
- 2: Battery test switch
- 3: Battery test indicator
- 4: Activation switch
- 5: Battery compartment access screws

