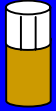


EMERGENCY RESPONSE FOR DETECTION OF BIOLOGICAL CONTAMINANTS

1 Remove a vial of ATP Reagent from the refrigerator (sufficient to run positive & negative control and up to 8 unknowns). Tap to ensure contents are on the bottom of the vial.



Vial is under vacuum, remove stopper carefully. Handle vial by rim only to avoid contamination.

2 Pour contents of one ATP Diluent into the Reagent vial. Cap & swirl gently. DO NOT SHAKE. Let sit for 10 minutes while proceeding. Swirl occasionally.



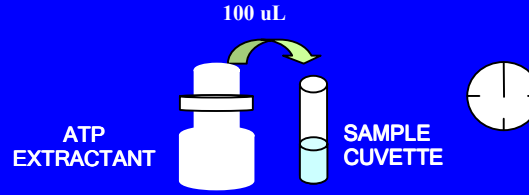
Use or discard rehydrated Reagent after 8 hours.

5 Prepare sample rack as follows, changing tips for each new reagent and sample:

- Place clean cuvettes in Row A corresponding to each control and unknown.
- Add 100 uL of Negative Control (Microtox diluent) to the cuvette in position A1
- Add 100 uL of Positive Control (ATP or lab standard) to the cuvette in position A2
- Add 100 uL of each unknown to its corresponding cuvette in A3-A10.

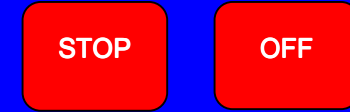
Proceed AFTER THE 10 MINUTES.

6 Add 100 uL of ATP Extractant to the cuvette in position A1. Gently swirl. Let sit 1 minute.



Timing is critical. Only process 1 sample at a time.

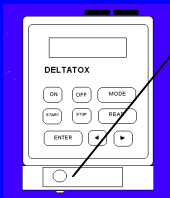
9 When all results for unknowns/controls have been recorded, press the red <STOP> key to return to the default screen. Turn off the unit by pressing the red <OFF> key.



10 Compare results for unknown samples against results obtained for positive and negative controls.

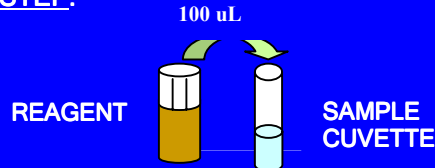
See table below for expected correlation between average light readings and Total ATP concentration in sample. Total ATP corresponds to ATP associated with both pathogenic and non-pathogenic organisms in the sample.

3 Close and latch the DeltaTox sample chamber lid. Press <ON>. When calibration completes verify temperature is 10-28°C.



NOTE: If lid is not closed and latched, "Unable to Set PMT"

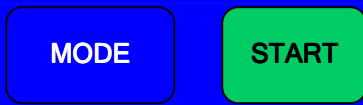
7 Swirl rehydrated ATP Reagent prepared in Step 1 to mix. Add 100 uL to the sample cuvette prepared in Step 6. Swirl gently. **IMMEDIATELY PROCEED TO THE NEXT STEP.**



11 ATP Data for ATP Standard Curve:

ATP Conc. (in Picograms)	Average Light Readings (Photon Counts)
1.0E - 02 (0.01)	96
1.0E - 01 (0.1)	107
1.0E +00 (1.0)	238
1.0E +01 (10)	296
1.0E +02 (100)	2,206
1.0E +03 (1,000)	21,576
1.0E +04 (10,000)	195,898
1.0E +05 (100,000)	1,695,813
1.0E +06 (1,000,000)	16,123,323

4 Press the blue <MODE> key to select "ATP" and then the green <START> key to create a new data record.



8 Insert the A1 cuvette into the DeltaTox. Close & latch the lid. Press the blue <READ> key. Record the reading. Remove the cuvette from the chamber.

Repeat Steps 6-8 for all remaining cuvettes in Row A, recording results as you proceed.

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EMERGENCY RESPONSE FOR DETECTION OF BIOLOGICAL CONTAMINANTS

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