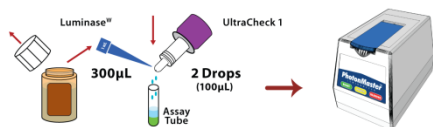


Step 1 - UltraCheck™ 1 Calibration

Perform one UltraCheck 1 calibration per day or per each set of samples analyzed.



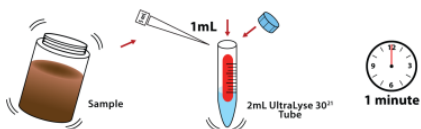
NOTE: If $RLU_{ATP1} \leq 500$ using a PhotonMaster or Lumitester C-110, rehydrate a new bottle of Luminase^W for maximum sensitivity.

Step 2 – Total ATP (tATP™)

Included in QG21W and QG21Wa test kits.

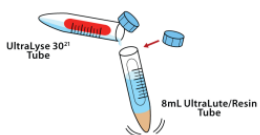
2.1 - EXTRACTION

Add sample to extract ATP.



2.2 – DILUTION

Dilute out interferences.



2.3 – ASSAY

Measure ATP concentration.



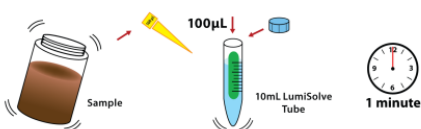
NOTE: If $RLU_{tATP} \leq 10$ using a PhotonMaster or Lumitester C-110, you are below the low-detection limit.

Step 3 – Dissolved ATP (dATP™)

Included in QG21W and QG21Wa test kits.

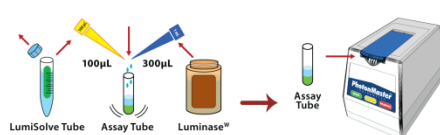
3.1 – DILUTION

Add sample to recover ATP.



3.2 – ASSAY

Measure ATP concentration.



NOTE: If $RLU_{dATP} \leq 10$ using a PhotonMaster or Lumitester C-110, you are below the low-detection limit.

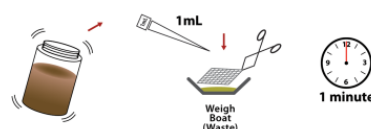
CHOOSE ONE METHOD FROM:

STEP 4a – Flocc Bulking ATP (fbATP™)

Included in QG21Wa test kit only.

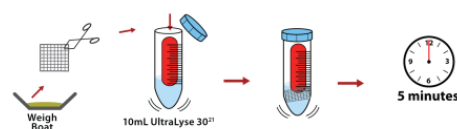
4a.1 - FILTRATION

Filter sample to separate bulking floc.



4a.2 - EXTRACTION

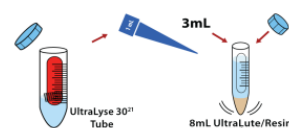
Extract ATP from mesh.



NOTE: If unable to place mesh into the extraction tube, use one of the supplied 120mL specimen containers and pour the 10mL of UltraLyse 30²¹ onto the mesh.

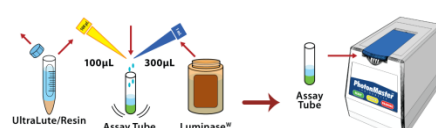
4a.3 - DILUTION

Dilute out interferences.



4a.4 - ASSAY

Measure ATP concentrations.



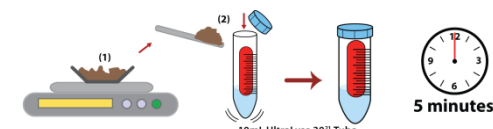
NOTE: If $RLU_{fbATP} \leq 10$ using a PhotonMaster or Lumitester C-110, you are below the low-detection limit.

STEP 4b – Attached Growth ATP (agATP™)

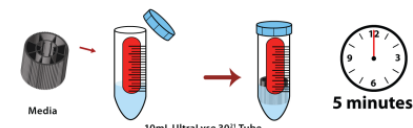
Included in QG21Wa test kit only.

4b.1 - EXTRACTION

Extract ATP from sample.

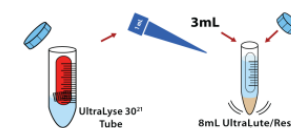


OR



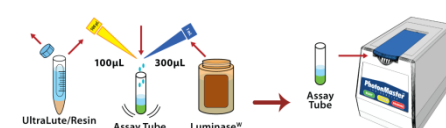
4b.2 - DILUTION

Dilute out interferences.



4b.3 - ASSAY

Measure ATP concentrations.



NOTE: If $RLU_{agATP} \leq 10$ using a PhotonMaster or Lumitester C-110, you are below the low-detection limit.