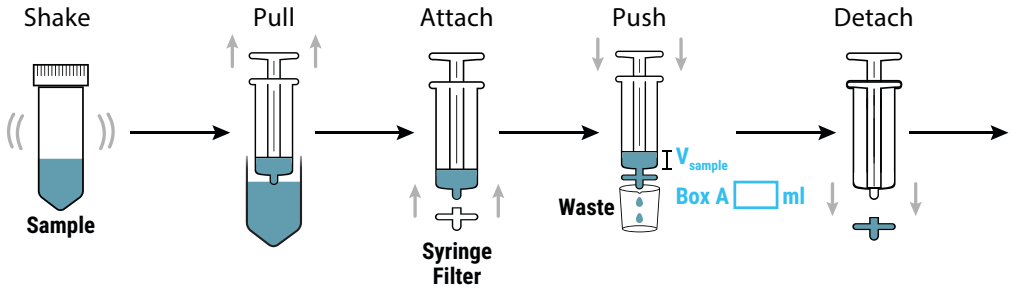
# Water-Glo™ System

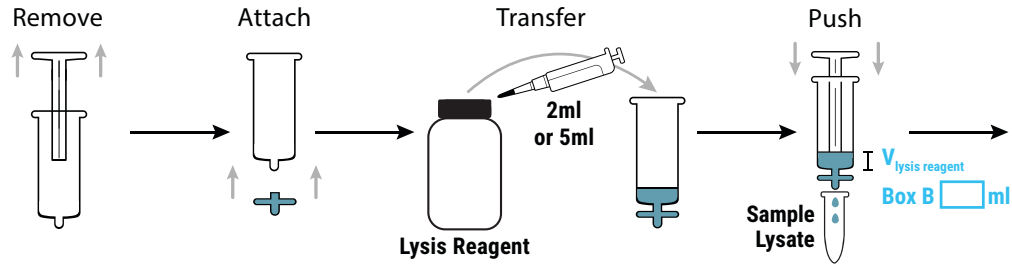
Instructions for Use of Products AM1001, AM1002 and AM1003.

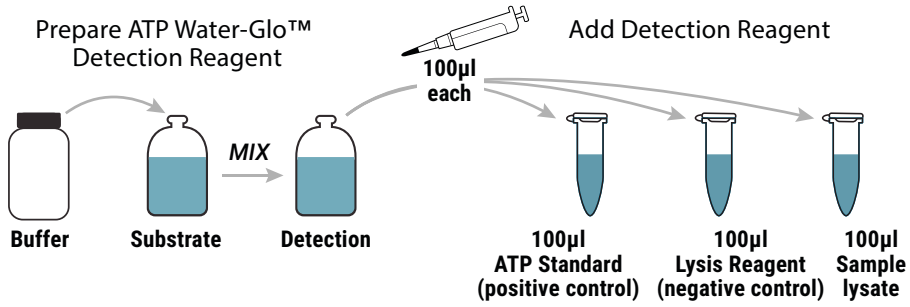
*Quick Protocol*

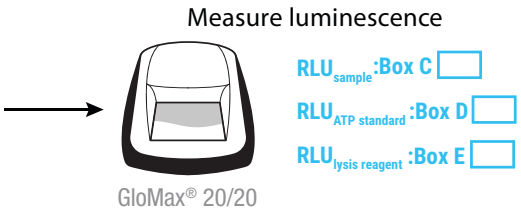
For a detailed protocol, see the *Water-Glo™ System Technical Manual #TM547*.

## Single Test Protocol




## ATP Calculation Worksheet

**Box A** ($V_{sample}$): [A] _____ ml

**Box B** ($V_{lysis\ reagent}$): [B] _____ ml

**Box C** ($RLU_{sample}$): [C] _____

**Box D** ($RLU_{ATP\ standard}$): [D] _____

**Box E** ($RLU_{lysis\ reagent}$): [E] _____

Calculate ATP concentration using the following formula:

$$ATP(pg/ml) = \frac{C - E}{D - E} \times \frac{B}{A} \times 1{,}000$$

Or download the Water-Glo™ ATP Calculator Tool at:
**www.promega.com/resources/tools/water-glo-atp-calculator-tool**

Continued

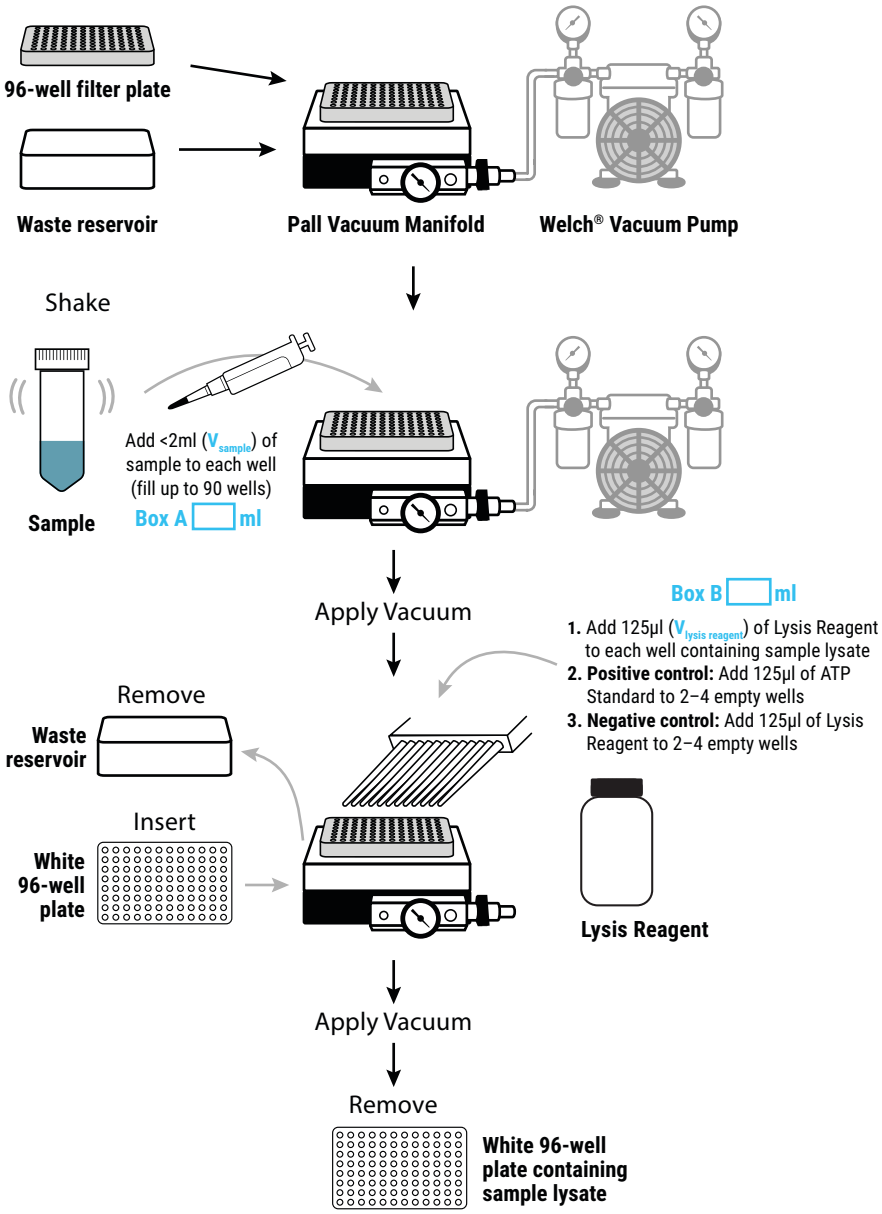
# Water-Glo™ System

Instructions for Use of Products AM1001, AM1002 and AM1003.

*Quick Protocol*

## 96-Well Batch Protocol

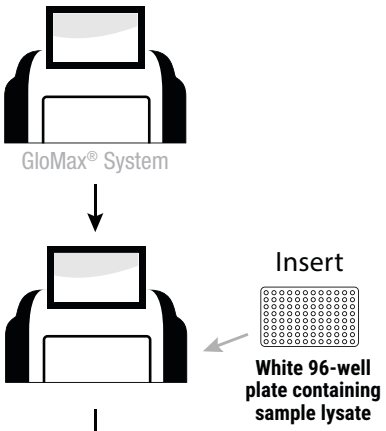
### 1. Sample Processing




### 2. ATP Detection

**Flush Injector:**

- 5 times with ATP-free water
- 5 times with 70% ethanol
- 5 times with ATP-free water
- Prime with 1ml Water-Glo™ Detection Reagent




Run Water-Glo™ 96 Protocol

**Clean Injector:**

- 5 times with ATP-free water
- 5 times with 70% ethanol
- 5 times with ATP-free water
- 5 times with air

Export Data

### 3. Calculate ATP Concentration

To calculate ATP concentration, copy exported data into the Water-Glo™ ATP Calculator Tool, available at: **www.promega.com/resources/tools/water-glo-atp-calculator-tool**

Additional protocol information is in Technical Manual #TM547. For detailed instructions on instrument use, refer to the GloMax® System Operating Manuals #TM397, #TM433 or #TM470, available online at: **www.promega.com**