

# DeltaTox ATP

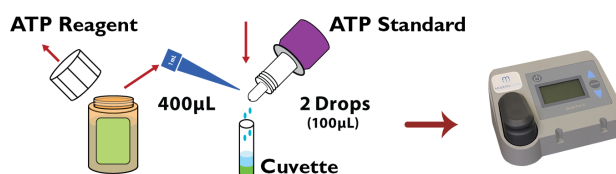
Quick Reference Guide  
AZF787400



MODERNWATER

## Step 1 - ATP Standard Calibration

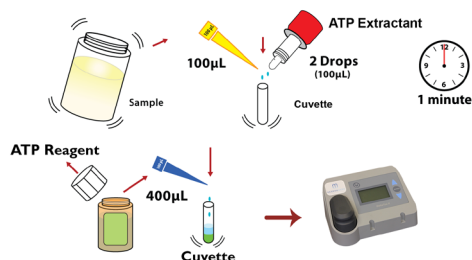
Perform one calibration per day or per each set of samples analysed



## Step 2 - Total ATP (tATP™) Analysis

### 2.1 - Preparation

Add sample to extract ATP



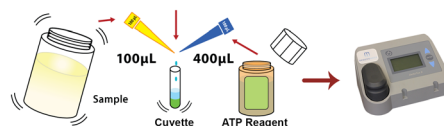
### 2.2 - Extraction

Measure ATP concentration

## Step 3 - Free ATP (fATP™) Analysis

### 3.1 - Assay

Measure ATP concentration



## Calculations

### Total ATP (tATP) Calculation:

$$tATP(pg\ ATP/mL) = \frac{RLU_{tATP}}{RLU_{ATP\ I}} \times 2,000(pg\ ATP/mL)$$

### Free ATP (fATP) Calculation:

$$fATP(pg\ ATP/mL) = \frac{RLU_{fATP}}{RLU_{ATP\ I}} \times 1,000(pg\ ATP/mL)$$

Note: Please refer to Test Kit Instructions during first product use and for additional details including legal statements.

## Interpretation Guidelines

Application	Good control (pg tATP/mL)	Preventative Action (pg tATP/mL)	Corrective Action (pg tATP/mL)
Cooling & Process Water (Oxidising Biocides)	< 10	10 to 100	> 100
Cooling & Process Water (Non-Oxidising Biocides or Non-Chemical Treatment)	< 100	100 to 1,000	> 1,000
Papermaking Product Quality (Newsprint, Fine papers)	< 1,000	1,000 to 10,000	> 10,000
Papermaking Odour Control (Paperboard, Recycle Water)	< 10,000	10,000 to 100,000	> 100,000

Note: When Free ATP (fATP) is measured subtract this value from Total ATP (tATP) prior to interpretation of results.

Note: Interpretation Guidelines provided for general guidance. For best results, establish your own baseline and control levels.