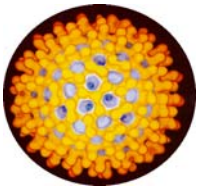
# AUTUMN 2008

# APP-CHEM NEWSLETTER



## ATP – Testing for bacterial contamination in seconds

The PD-10N combines extreme sensitivity, easy handling and low costs for ultra-fast measurement of hygiene

- Patented measurement of ATP/AMP increases sensitivity
- Detergent-tolerant enzymes- no inhibition from residues of cleaning agents
- Simple data transfer to Microsoft excel
- Long durability and easy handling of the LuciPac™ W test swabs

App-Chem are pleased to introduce to the market this ATP tester and swabs, which has a number of benefits over its competitors.

It can be used for Surface testing, Food testing and Water testing.

**The most competitive prices around for swabs and instruments.**

**technical@app-chem.com**

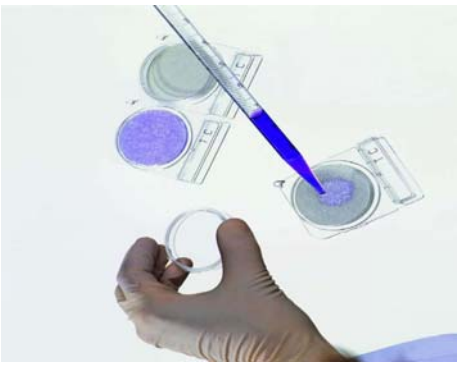
**Test Principles:** The applied technology measures ATP and AMP bioluminescence by means of an enzyme reaction. With assistance of a substrate enzyme system (luciferin-luciferase), AMP and ATP can be determined from bacteria and food residues. Luciferin is converted into AMP, oxyluciferin and carbon dioxide by the enzyme luciferase together with the ATP consumption. This patented method can also determine the detergent tolerance. The light released in the reaction directly correlates to the amount of AMP-ATP and can be quantified with the high quality Luminator PD-10N.

**ATP001** **ATP METER**
**ATP002** **PK 100 SWABS**

| | |
|---|---|
| Detection limit | $10^{-15}$ mol/APT/assay |
| Measuring time | 10 seconds |
| Data output | RLU (relative light units) |
| Storage space | 1200 results |
| Display | LCD |
| Computer transfer | RS232 C / USB |
| Printer | Optional |
| Power supply | 1.5 x 2 R6 , AA batteries |
| Size | 80 x 203 x 50 (mm) |
| Weight | 280 g (without batteries) |
| ID number | 1 002 651 |

## Compact Dry - An easy test method for counting micro-organisms

Compact Dry is ready to use test method which helps reduce the time needed to perform microbial testing. Therefore, it allows maximum productivity by increasing efficiency. The plates can be used to test raw materials as well as finished products like food, beverage, meat, cosmetics or other samples. The Compact Dry plates can also be used as a contact plate for difficult areas using the Compact Dry swab.



Additionally membrane filters can be tested using Compact Dry plates. Filter 100ml water or any other liquid using an ordinary membrane filter (e.g. 47mm, 45um) then pipette 1ml of sterile water into the middle of the Compact Dry plate and place the filter on the Compact Dry plate. The filter should be trap side up. Colonies will grow on the filter.

*Cont'd overleaf*

| | ID No. | Packaging | Application | | ID No. |
|---|---|---|---|---|---|
| Compact Dry TC | 1000166 | 40 Plates | Total Count | Compact Dry TC | 1000166 |
| Compact Dry EC | 1000168 | 40 plates | E.coli and Coliforms | Compact Dry EC | 1000168 |
| Compact Dry CF | 1000867 | 40 Plates | Coliforms | Compact Dry CF | 1000867 |
| Compact Dry YM | 1000869 | 40 plates | Yeast and Mould | Compact Dry YM | 1000869 |
| Compact Dry ETB | 1002941 | 40 Plates | Enterbacteriacae | Compact Dry ETB | 1002941 |

**Features and Benefits**

- Traditional plate media with modern features of dehydrated film media
- Shorten test time and increase lab efficiency, thus reduce cost

Email **technical@app-chem.com** for quotation; can be supplied in larger packs

## Refractometer

The Refractometer uses **degrees Celsius** ($^{o}$C) as unit of measurement and features **built-in calibration knob, has much lighter weight and is shorter**. The Refractometer is designed for testing the concentration of the battery fluids, antifreeze liquid and cleaning fluids (CF).
It can also be used for checking the strength of electrolyte solution batteries (BA), and measuring the concentration of ethylene glycol or propylene glycol in antifreeze liquids.

EG0040 Refractometer (NEW)

**INTRODUCTORY OFFER £45.00 ea**

**Features**

- Provides tri-scale direct reading in degrees Celsius ($^{o}$C)
- No need for Calibration Screwdriver to calibrate
- Focus is adjustable and can be controlled manually
- Equipped with built-in calibration knob
- Guaranteed accurate, high quality testing results
- Equipped with built-in ATC compensation range (Automatic Temperature Compensation from 10$^{O}$C - 30$^{O}$C or 50$^{O}$C - 86$^{O}$C to correct temperature during use
- Approved by strict quality and safety standards.

## Getting in touch

Whether you want to place an order, request a catalogue or simply have a query, please get in touch with us in one of the following ways.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