

## Pentra 400 CUVETTES COST ANALYSIS

*Horiba ABX Pentra 400 Clinical Chemistry Analyzer*

|                                  |                            |                              |                            |  |
|----------------------------------|----------------------------|------------------------------|----------------------------|--|
| <b><u>Consumable Product</u></b> | <b><u>Package Size</u></b> | <b><u>Purchase Price</u></b> | <b><u>Cuvette Cost</u></b> | <b><u>Unnecessary lab expense</u></b>      |
| <b>PENTRA 400 Cuvettes</b>       | <b>Case of 3600</b>        | <b>\$570.00 per case</b>     | <b>\$0.16 each</b>         | <b>\$0.16 on every test in each panel!</b> |

| <u>Procedure</u> | <u>Tests per Panel</u> | <u>Daily Volume</u> | <u>Tests Daily</u> | <u>Cost per Cuvette</u> | <u>Daily Cost</u> |
|------------------|------------------------|---------------------|--------------------|-------------------------|-------------------|
| COMP MET PANEL   | 13                     | x 25                | = 325              | x \$0.16                | = \$51.46         |
| LIPID PANEL      | 3                      | x 25                | = 75               | x \$0.16                | = \$11.88         |
| BASIC MET PANEL  | 7                      | x 7                 | = 49               | x \$0.16                | = \$7.76          |
| HEPATIC PANEL    | 7                      | x 7                 | = 49               | x \$0.16                | = \$7.76          |
| DIRECT LDL       | 1                      | x 8                 | = 8                | x \$0.16                | = \$1.27          |
| CK               | 1                      | x 8                 | = 8                | x \$0.16                | = \$1.27          |
| URIC ACID        | 1                      | x 15                | = 15               | x \$0.16                | = \$2.38          |
| LDH              | 1                      | x 7                 | = 7                | x \$0.16                | = \$1.11          |
| GGT              | 1                      | x 7                 | = 7                | x \$0.16                | = \$1.11          |
| PHOSPHORUS       | 1                      | x 7                 | = 7                | x \$0.16                | = \$1.11          |
| MAGNESIUM        | 1                      | x 7                 | = 7                | x \$0.16                | = \$1.11          |
|                  |                        |                     |                    |                         | <b>\$88.19</b>    |

**Cost of Disposable Cuvettes needed to perform daily workload → \$88.19**

**Cost of Disposable Cuvettes for Daily QC and Calibrations → \$17.57**

**Cost of average 5% Repeats for result verification or correction → \$5.29**

**Average Daily Cost of ACE Cuvettes → \$111.05**

**Average Monthly Cost of ACE Cuvettes → \$2,443.12**

**AVERAGE YEARLY COST OF DISPOSABLE PENTRA CUVETTES → \$29,317.49**

This analysis does not include the cost of the additional Biological Waste created by the addition of cuvettes and waste bags to monthly Waste Removal fees. Older Chemistry analyzers, such as the Ciba-Corning Express Models, Alfa-Wasserman Ace Models and Roche Cobas-Mira Models, produce large volumes of contaminated plastics that require documented Hazardous Waste Disposal from a waste service whose charges are based on volume.

**Updated technology has eliminated the need for disposable cuvettes in the SDI CA240 & CA480 Analyzers.**



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