



**UNIT-ORAL**  
**ANALYTICAL REPORT**

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**Accession Number** : E200369

**Date of collection** : 14/05/2017

**1) Total Bacterial Count Quantification**

	<b>Number of bacteria per ml of dental unit water</b>
<b>Total bacterial count</b>	<b>++ : <math>\geq 1 \times 10^4</math> bacteria/ml of water</b>

- :  $\leq 2 \times 10^2$  bacteria/ml of water

+ :  $2 \times 10^2 < \text{bacteria/ml of water} < 1 \times 10^4$

++ :  $\geq 1 \times 10^4$  bacteria/ml of water

**2) Pathogenic Bacteria Detection**

<b>Bacteria</b>	<b>Presence / Absence of bacteria</b>
<i>Legionella pneumophila</i>	Absence
<i>Pseudomonas aeruginosa</i>	Absence

**Methodology** :

*Genomic DNA/RNA is extracted from the submitted water sample and tested for micro-organisms associated with poor dental water unit quality.*

*The DNA/RNA is tested by quantitative Polymerase Chain Reaction (PCR) for Legionella pneumophila and Pseudomonas aeruginosa and quantitative Reverse Transcriptase Polymerase amplification for Total Bacteria Count followed by fluorescence detection and quantitation using GenoSPYD reagents.*