

FINAL REPORT

Assessment of non-pathogenic microbial growth in spring
water

Order Number: 371624622

PREPARED FOR

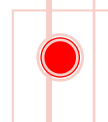
Fountain of Truth Spring Water

20964 Colina Dr.

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1/9/2017

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CERTIFICATE OF ANALYSIS

CLIENT: FOUNTAIN OF TRUTH
SPRING WATER

PRODUCT: OPAL SPRING OREGON

SAMPLE RECEIVED: 12/14/2016

CONTACT: CHRISTOPHER SANBORN

REPORT DATE: 1/9/2017

PROJECT: HEALTHY PROBIOTIC
TESTING

I. EXPERIMENTAL SUMMARY

The testing procedure was provided to EMSL Analytical, the testing company, by the client, Fountain of Truth Spring Water. The testing was conducted in our Cinnaminson Microbiology Laboratory.

II. PROCEDURE

Six 0.20- μ m pore cellulose nitrate membranes were used to filter 100 mL of water for each media. Membrane filters were placed on Trypticase Soy Agar with 5% Sheep Blood (TSAB), Chocolate agar (CAP), MacConkey agar (MAC), Mannitol Salt Agar (MSA) and Sabouraud dextrose agar (SDA). Plates were incubated in aerobic conditions at 37°C for 3 days. One membrane was placed on Schaedler blood agar (SBA) and incubated in anaerobic condition at 37°C for up to 6 days ⁽¹⁾.

Additionally, 1,000-mL water sample was filtered through a 0.2- μ m polycarbonate membrane filter and processed according to the guidelines for *Legionella* detection by ISO 11731:1998. Buffered charcoal yeast extract (BCYE) with glycine, polymyxin B, cycloheximide, vancomycin (GPCV) agar and BCYE with glycine, polymyxin B, cycloheximide, vancomycin without L-cysteine (GPCV(-)) agar plates were incubated at 36°C for up to 7 days.

Isolated organisms were identified using MALDI-TOF technology with the Vitek-MS automated system.



III. EXPERIMENTAL RESULTS

Viable Culture Analysis of water Sample

Identification	Final Results (CFU/mL)
<i>Pseudomonas oleovorans</i>	11,640
<i>Acidovorax spp.</i>	5,280
<i>Pseudomonas putida</i>	1,310
<i>Pseudomonas spp.</i>	5,320

Legionella Detection by ISO 11731-1998 Culture method (EMSL Test Code M343)

Sample Type	Vol Submitted (mL)	Vol Processed (mL)	Processed	Identification	Final Results (CFU/mL)
Potable	1000	1000	Concentrated	None Detected	ND

IV. REFERENCES

1. Non-pathogenic microflora of a spring water with regenerative properties. Biomed Rep. 2015 Nov; 3(6): 758–762.



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