

Dental Office (A) Beta site I

This study represents a group dental practice using the WATERCLAVE WATER PURIFICATION SYSTEM. This dental office has seven, 20year old, dental units, which has used, unsuccessfully, separate water reservoirs and filters. Waterclave had no influence with collection of samples for Aqua-Dent. I did, however assist them with the chemical treatment of the dental unit waterlines using DUWL SOLUTION on 7/8/00,7/29/00 and 11/19/00.

6/22/00 Report:

The report represents the baseline sampling from 7 different operatories, with readings considered to numerous to count.

7/23/00 Report:

This report represents samplings that were taken 10 days after chemical treatment. Two vials #2 and #9 demonstrated growth <200CFU/ml. All other sampling recorded 0 CFU/ml. The dental unit waterlines were retreated on 7/29/00 with DUWL SOLUTION.

9/13/00 Report:

This report represents samplings that were taken 39 days post-chemical treatment. 0 CFU/ml was seen from all sampling.

10/9/00 Report:

This report represents samplings that were taken 65 days after the chemical treatment. Vial #s 1, 7, 8 and 11 demonstrate growth at acceptable levels and vial #s 4, 5, 6, 10 and 12 demonstrated 0 CFU/ml. Vial #s 2, 3, and 9 represent samples taken from the city source water exiting 2 sinks and a toilet. The water source in this particular area is noted for its inconsistent quality.

11/14/00 Report:

This report represents samplings that were taken 101 days after the chemical treatment. Vial #s 1, 3, 8, 9, and 10 represent CFU/ml that are not acceptable. Because of these results all the dental unit waterlines were retreated on 11/19/00.

1/10/01 Report:

This report represents samplings that were taken 45 days after the 11/19/00 chemical application. 0CFU/ml were measured at all dental unit waterline samples.



A division of Microtiter[®] Laboratories, Inc.
A quality dental unit waterline testing service.
P.O. Box 161146
Sacramento, CA 95816
(916) 452-9808

Dental Unit Waterline Analysis

June 22, 2000

Client: Blattner, Murphy and Heberer DDS (618) 337-4300
Address: 1183 Camp Jackson Cahokia, IL 62206
Kit: 818231958730

Chain of Custody

COLLECTION DATE: 06/19/00
CONTACT PERSON: Dr. Blattner
TEST COLLECTORS: Dr. Olk
Dr. Blattner
DATE RECEIVED: 06/20/00
RECEIVED BY: Ann M. Clark, BA
PROCESSED BY: Rebecca Hutty, BSMT
FINAL REPORT BY: Rebecca Hutty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
1	1		Greater than 200 CFU/ml (>30,000 CFU/ml)
2	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
2	1		Greater than 200 CFU/ml (>30,000 CFU/ml)
3	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
3	1		Greater than 200 CFU/ml (>30,000 CFU/ml)
4	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
4	1		Greater than 200 CFU/ml (>30,000 CFU/ml)
5	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
6	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
7	a		Greater than 200 CFU/ml (>30,000 CFU/ml)
7	1		Greater than 200 CFU/ml (>30,000 CFU/ml)

NOTES

The Council on Scientific Affairs (ADA) recommends that by the year 2000 no more than 200 CFU/ml aerobic mesophilic heterophilic bacteria be present at any point in time in the unfiltered output of the dental unit. (JADA, Vol. 127, February 1996)



Dental Unit Waterline Analysis

July 23, 2000

Client: **Blattner, Murphy and Heberer DDS** (618) 337-4300
 Address: **1183 Camp Jackson** Cahokia, IL 62206
 Kit: **W818231958579**

Chain of Custody

COLLECTION DATE: 07/17/00
 CONTACT PERSON: Dr. Blattner
 TEST COLLECTORS: Dr. Blattner
 DATE RECEIVED: 07/18/00
 RECEIVED BY: Ann M. Clark, BA
 PROCESSED BY: Rebecca Hutty, BSMT
 FINAL REPORT BY: Rebecca Hutty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
 TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
 Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1	ab	1	No Growth Detected
2	1	1	Less than 200 CFU/ml (100 CFU/ml)
3	ab	2	No Growth Detected
4	1	2	No Growth Detected
5	ab	3	No Growth Detected
6	1	3	No Growth Detected
7	ab	4	No Growth Detected
8	1	4	No Growth Detected
9	3	5	Less than 200 CFU/ml (40 CFU/ml)
10	3	6	No Growth Detected
11	ab	7	No Growth Detected
12	1	7	No Growth Detected

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Aqua Dent
A division of MicroTest Laboratories, Inc.
A quality dental water testing service
P.O. Box 161146
Sacramento, CA 95816
(916) 452-9808

Dental Unit Waterline Analysis

September 13, 2000

Client: **Blattner, Murphy and Heberer DDS** (618) 337-4300
Address: **1183 Camp Jackson** Cahokia, IL 62206
Kit: **W818231958351**

Chain of Custody

COLLECTION DATE: 09/07/00
CONTACT PERSON: Dr. Blattner
TEST COLLECTORS: Sherry Boda
DATE RECEIVED: 09/08/00
RECEIVED BY: Ann M. Clark, BA
PROCESSED BY: Rebecca Huty, BSMT
FINAL REPORT BY: Rebecca Huty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1	ab	Rm 1	No Growth Detected
2	3	Rm 1	No Growth Detected
3	ab	Rm 2	No Growth Detected
4	1	Rm 2	No Growth Detected
5	ab	Rm 3	No Growth Detected
6	ab	Rm 3	No Growth Detected
7	ab	Rm 4	No Growth Detected
8	3	Rm 4	No Growth Detected
9	ab	Rm 5	No Growth Detected
10	S	Rm 6	No Growth Detected
11	1	Rm 7	No Growth Detected
12	ab	Rm 7	No Growth Detected

NOTES

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Dental Unit Waterline Analysis

October 9, 2000

Client: Blattner, Murphy and Heberer DDS (618) 337-4300
Address: 1183 Camp Jackson Cahokia, IL 62206
Kit: W818231959601

Chain of Custody

COLLECTION DATE: 10/03/00
CONTACT PERSON: Dr. Blattner
TEST COLLECTORS: Sherry Boda

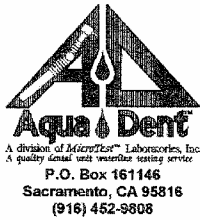
DATE RECEIVED: 10/04/00
RECEIVED BY: Ann M. Clark, BA
PROCESSED BY: Rebecca Hutty, BSMT
FINAL REPORT BY: Rebecca Hutty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
 Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1			Less than 200 CFU/ml (10 CFU/ml)
2	1	Sink	Greater than 200 CFU/ml (>30,000 CFU/ml)
3	3	Sink	Greater than 200 CFU/ml (>30,000 CFU/ml)
4	ab	Rm #4	No Growth Detected
5	1	Rm #3	No Growth Detected
6	1	Rm #3	No Growth Detected
7	ab	Rm #2	Less than 200 CFU/ml (10 CFU/ml)
8	3	Rm #2	Less than 200 CFU/ml (80 CFU/ml)
9		Toilet	Greater than 200 CFU/ml (1600 CFU/ml)
10	S	Rm #6	No Growth Detected
11	ab	Rm #7	Less than 200 CFU/ml (10 CFU/ml)
12	S	Rm #5	No Growth Detected

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Dental Unit Waterline Analysis

November 14, 2000

Client: Blattner, Murphy and Heberer DDS (618) 337-4300
Address: 1183 Camp Jackson Cahokia, IL 62206
Kit: W818231959440

Chain of Custody

COLLECTION DATE: 11/08/00
CONTACT PERSON: Dr. Blattner
TEST COLLECTORS: Sherry Boda

DATE RECEIVED: 11/09/00
RECEIVED BY: Ann M. Clark, BA
PROCESSED BY: Rebecca Hutty, BSMT
FINAL REPORT BY: Rebecca Hutty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
 Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1	ab	1	Less than 200 CFU/ml (50 CFU/ml)
2	1	1	Greater than 200 CFU/ml (720 CFU/ml)
3	ab	2	No Growth Detected
4	2	2	Greater than 200 CFU/ml (440 CFU/ml)
5	ab	3	Greater than 200 CFU/ml (310 CFU/ml)
6	1	3	Greater than 200 CFU/ml (>3,000 CFU/ml)
7	ab	4	Greater than 200 CFU/ml (420 CFU/ml)
8	3	4	Less than 200 CFU/ml (30 CFU/ml)
9	S	5	No Growth Detected
10	S	6	No Growth Detected
11	ab	7	Greater than 200 CFU/ml (1500 CFU/ml)
12	ab	7	Greater than 200 CFU/ml (210 CFU/ml)

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Dental Unit Waterline Analysis

January 10, 2001

Client: Blattner, Murphy and Heberer DDS (618) 337-4300
 Address: 1183 Camp Jackson Cahokia, IL 62206
 Kit: W818231958097

Chain of Custody

COLLECTION DATE: 01/04/01
 CONTACT PERSON: Dr. Blattner
 TEST COLLECTORS: Sherry Boda
 DATE RECEIVED: 01/08/01
 RECEIVED BY: Ann M. Clark, BA
 PROCESSED BY: Rebecca Hutty, BSMT
 FINAL REPORT BY: Rebecca Hutty, BSMT

CONDITION OF TEST VIALS: Cool, No Leakage
 TEST PARAMETERS: Colony Forming Units per milliliter (CFU/ml)
 Spread plate method, 28 C/5days, R2A Agar.

Vial	Identifier	Other	Results
1	ab	OP 1	No Growth Detected
2	2	OP 1	No Growth Detected
3	ab	OP 2	No Growth Detected
4	1	OP 2	No Growth Detected
5	ab	OP 3	No Growth Detected
6	3	OP 3	No Growth Detected
7	ab	OP 4	No Growth Detected
8	1	OP 4	No Growth Detected
9	ab	OP 5	No Growth Detected
10	ab	OP 6	No Growth Detected
11	S	OP 6	No Growth Detected
12	ab	OP 7	No Growth Detected

NOTES

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