

AquaTox provides microbiological testing services in support of submissions to EcoLogo™, Green Seal®, the U.S. EPA and Health Canada.

AquaTox provides microbiological testing services for Disinfectant Efficacy, Instant Hand Antiseptic Products and Sanitizer Testing in support of submissions to EcoLogo™, Green Seal®, the U.S. EPA and Health Canada.

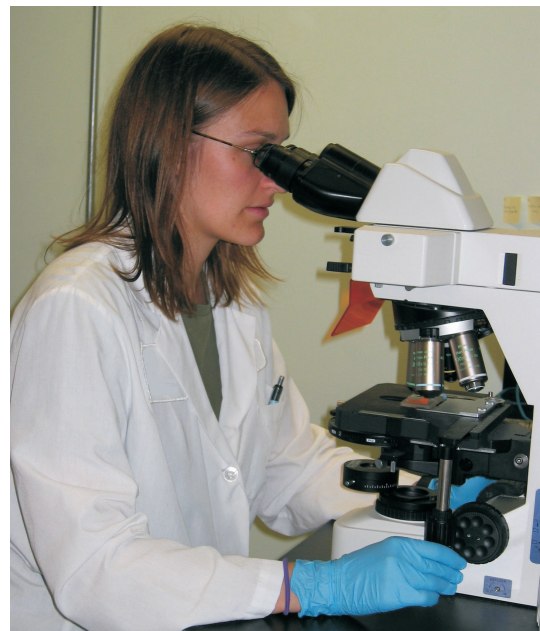
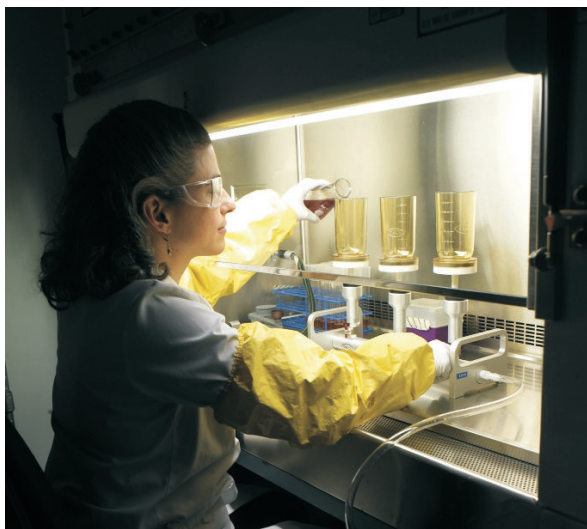
Canada's EcoLogo™ Program and the U.S Green Seal® Program are ecolabelling programs that help promote manufacturers and suppliers who sell environmentally preferable products and services. Antimicrobial performance testing is required in support of an application to EcoLogo™ (Certification Criteria Document (CCD) 170) or Green Seal® (GS 52 in development).

Health Canada's Guidance documents for Disinfectant Drugs and Human Use Antiseptic Drugs provide information concerning product testing, formulation and labeling requirements for products that fall into the categories of Disinfectant Drugs and Human Use Antiseptic Drugs. With recognition for OECD GLP compliance by the Standards Council of Canada (SCC) and Biosafety Level 2 certification, AquaTox performs product testing in support of these guidance documents.

The EPA requires performance testing using AOAC methods for support of general or broad-spectrum efficacy claims, as well as, for limited efficacy claims.

The following tests are currently offered at AquaTox:

- AOAC Use Dilution Methods (for Health Canada and U.S. EPA)
- AOAC Germicidal Spray Products Test (for Health Canada and U.S. EPA)
- EN/SS Methods including: EN 1500, EN 13727, and EN 1276 (for Health Canada and EcoLogo™)
- ASTM E2111, ASTM E2197, and ASTM E1054 (for Health Canada)



How We Can Help...

AquaTox Testing & Consulting Inc. is a privately owned firm of professional scientific and technical staff with expertise in environmental sciences. We operate one of the largest and most diverse ecotoxicity laboratories in Canada providing ecotoxicity testing, **specialized microbiology** and consulting services to industry and to government since 1987. In addition to our extensive experience with routine microbiological and biodegradation testing, we have spent considerable time in the refinement of standard test methods and development of novel microbial testing techniques. We have an established **Quality Assurance Program** and are accredited by the Canadian Association for Laboratory Accreditation (CALA). Our lab is also recognized by the Standard Council of Canada (SCC) as a **GLP** compliant facility.

Contact us for your microbial testing needs:

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Keith Holtze, B.Sc. (Hons.) PRESIDENT; DIRECTOR OF LABORATORY SERVICES
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CANADA





AquaTox Testing & Consulting Inc.
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Tel: (519) 763-4412 Fax: (519) 763-4419

Work Order : 218487
Sample Number : 29599

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : Process Cleaning Solutions
Test Item : RODAC Plates Incubation and Reading TCFU Date Received : 2011-01-25
Chemical Lot Number: Not applicable Date Tested : 2011-01-25
Test Item Description: RODAC plates


RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	15	B1	2	C1	2
A2	27	B2	0	C2	1
A3	13	B3	6	C3	0
A4	9	B4	5	C4	1
A5	12	B5	14	C5	7
A6	24	B6	0	C6	1
A7	54	B7	4	C7	0
A8	26	B8	2	C8	3
A9	44	B9	23	C9	11
A10	36	B10	>300	C10	22

TEST CONDITIONS

Sample : Room B 631 Date of Incubation : 2011-01-25
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-01-27
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 14:10

Date : 2011-01-31
yyyy-mm-dd

Approved By : 
Project Manager



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Work Order : 218487
Sample Number : 29599

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : Process Cleaning Solutions
Test Item : RODAC Plates Incubation and Reading TCFU Date Received : 2011-01-25
Chemical Lot Number: Not applicable Date Tested : 2011-01-25
Test Item Description: RODAC plates


RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	59	B1	3	C1	0
A2	32	B2	2	C2	0
A3	96	B3	18	C3	0
A4	85	B4	6	C4	0
A5	47	B5	5	C5	0
A6	>300	B6	131	C6	0
A7	300	B7	156	C7	0
A8	>300	B8	58	C8	2
A9	145	B9	75	C9	1
A10	>300	B10	138	C10	1

TEST CONDITIONS

Sample : Room B 641 Date of Incubation : 2011-01-25
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-01-27
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 14:15

Date : 2011-01-31
yyyy-mm-dd

Approved By : 
Project Manager



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Work Order : 218487
Sample Number : 29599

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : Process Cleaning Solutions
Test Item : RODAC Plates Incubation and Reading TCFU Date Received : 2011-01-25
Chemical Lot Number: Not applicable Date Tested : 2011-01-25
Test Item Description: RODAC plates


RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	175	B1	8	C1	0
A2	119	B2	15	C2	0
A3	21	B3	4	C3	1
A4	46	B4	13	C4	2
A5	11	B5	6	C5	0
A6	112	B6	26	C6	0
A7	16	B7	28	C7	0
A8	17	B8	7	C8	5
A9	61	B9	6	C9	0
A10	173	B10	45	C10	1

TEST CONDITIONS

Sample : Room B 736 Date of Incubation : 2011-01-25
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-01-27
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 14:50

Date : 2011-01-31
yyyy-mm-dd

Approved By : 
Project Manager

CHAIN OF CUSTODY RECORD



AquaTox Work Order No:
218487.

AquaTox Project No:

Shipping Address: AquaTox Testing & Consulting Inc.
11B Nicholas Beaver Road, RR #3
Guelph, Ontario Canada N1H 6H9

Voice: (519) 763-4412 Fax: (519) 763-4419

P.O. Number: RODAC PLATES.

Affiliation: _____

Custody Relinquished by: PROCESS CLEANING SOLUTIONS.

Signature: MM R

Date/Time Shipped: JAN 25TH 2011

Sample Storage (prior to shipping): _____

Client: _____

Phone: _____

Fax: _____

Contact: _____

Sample Identification		Analyses Requested														
# of Containers and Volume (eg. 1 x 1L, 1 x 500 g)	Lot # / Batch	Sample Name and Description	AquaTox Sample Number	Rainbow Trout Single Concentration	Rainbow Trout Multiple Concentration	Daphnia magna Single Concentration	Daphnia magna Multiple Concentration	Pseudokirchnerella subcapitata Growth Single Concentration	Pseudokirchnerella subcapitata Growth Multiple Concentration	Microtox Single Concentration Test	Microtox Multiple Concentration Test	Cenodaphnia dubia Survival & Reproduction Single Concentration	Cenodaphnia dubia Survival & Reproduction Multiple Concentration	Ready Biodegradation (OECD 301D)	Other Biodegradation Test (please specify)	Other (please specify below)
90		RODAC PLATES INCUBATION AND READING. TCF9.	29599 ^s													

For Lab Use Only

Received By: DK

Date: 2011-01-25

Time: 13:45

Storage Location: _____

Storage Temp.(C) _____

Please list any special requests or instructions:



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Work Order : 218538
Sample Number : 29680

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : M. Rochon
Test Item : TPC 85 RODAC Plates Date Received : 2011-02-04
Chemical Lot Number: Not applicable Date Tested : 2011-02-06
Test Item Description: RODAC plates

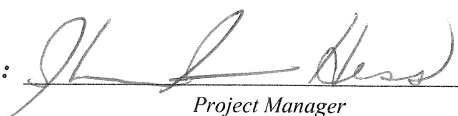
RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	4	B1	1	C1	1
A2	11	B2	2	C2	0
A3	4	B3	3	C3	0
A4	12	B4	6	C4	0
A5	61	B5	0	C5	0
A6	13	B6	70	C6	0
A7	13	B7	3	C7	0
A8	0	B8	17	C8	0
A9	1	B9	12	C9	0
A10	11	B10	6	C10	0

TEST CONDITIONS

Sample : Room 404 Date of Incubation : 2011-02-06
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-02-08
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 13:00

Date : 2011.02.14
yyyy-mm-dd

Approved By : 
Project Manager



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Work Order : 218538
Sample Number : 29680

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : M. Rochon
Test Item : TPC 85 RODAC Plates Date Received : 2011-02-04
Chemical Lot Number: Not applicable Date Tested : 2011-02-06
Test Item Description: RODAC plates


RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	20	B1	0	C1	0
A2	27	B2	2	C2	0
A3	28	B3	0	C3	0
A4	50	B4	6	C4	0
A5	14	B5	3	C5	0
A6	59	B6	100	C6	0
A7	90	B7	9	C7	0
A8	54	B8	5	C8	0
A9	94	B9	128	C9	2
A10	56	B10	56	C10	0

TEST CONDITIONS

Sample : Room 407 Date of Incubation : 2011-02-06
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-02-08
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 13:00

Date : 2011.02.14
yyyy-mm-dd

Approved By : 
Project Manager



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Work Order : 218538
Sample Number : 29680

SAMPLE IDENTIFICATION

Company : Process Cleaning Solutions Ltd. Test Item Type : Not provided
Location : Peterborough ON Submitted By : M. Rochon
Test Item : TPC 85 RODAC Plates Date Received : 2011-02-04
Chemical Lot Number: Not applicable Date Tested : 2011-02-06
Test Item Description: RODAC plates


RESULTS

Plate Number	48 h CFU Count	Plate Number	48h CFU Count	Plate Number	48h CFU Count
A1	0	B1	10	C1	0
A2	11	B2	9	C2	0
A3	79	B3	0	C3	4
A4	60	B4	2	C4	0
A5	1	B5	14	C5	0
A6	175	B6	na	C6	5
A7	0	B7	na	C7	1
A8	10	B8	na	C8	1
A9	0	B9	na	C9	0
A10	0	B10	na	C10	0

TEST CONDITIONS

Sample : Room 410 Date of Incubation : 2011-02-06
Incubation Duration : 48 hours Time of Incubation : 14:00
Incubation Temperature : 35 °C Date of Plate Reading : 2011-02-08
RODAC Plate Media : TSA + polysorbate 80+ lecithin Time of Plate Reading : 13:00

Date : 2011-02-14
yyyy-mm-dd

Approved By : 
Project Manager