



MEDICAL SCIENCES GROUP

FITNESS FACILITIES STUDY

REPORT OF CONTAMINATION & CLEANING
METHODOLOGIES TESTING

Of

Chrisal Probiotics Vs. Standard Products

Including

Sports Facilities, Public & Private School Gyms, and Membership Fitness Centers

CONFIDENTIAL

March 15, 2011



THE PROBLEM

Health clubs, gyms, sport locker rooms, schools, and many such related facilities have traditionally had problems with odors, fungus, and related problems as well as the possible spread of other infections.

However, over the last few years there has been a rapid rise in what was first seen as nosocomial infections in hospitals. These serious problems have now rapidly spread to other public sectors, specifically gyms, spas and other locations where people both congregate and have more than normal skin contact with each other and/or with surfaces touched by others.

Now that MRSA, VRSA and many other infections are rapidly on the rise, many Public Health Departments are starting to look more closely at gyms, spas and tanning parlors. Further, some very well-known news programs and magazines as well as the “pulp” are starting to do more and more stories on the dangers of gyms and other health type centers. The problem is now affecting a growing list of areas.

Therefore, the question now is how to solve these problems, contain costs and improve the cleanliness of these facilities without incurring additional labor costs.

REPORT OBJECTIVE

Due to the growing problem of MRSA and other infections in sports locker rooms, gyms and fitness facilities, a number of organizations have requested additional testing inside their own facilities to determine the differences between the current commonly used cleaning and disinfecting products available and the new type of Chrisal probiotic products.

These organizations include

1. A group of 55 professional cleaning franchises that have been cleaning school gymnasiums and school busses as well as other facilities.
2. A group of fitness centers and a spa management company as well as other interested parties. All of them have interests in a common study to improve safety and cleanliness, as well as to solve the age-old problem of how to remove “gym” odors that makes a real impact on customer recruitment and retention. For the commercial fitness facilities, being able to provide peace of mind to their customers is essential, as well as providing fresh-smelling and sparkling facilities while controlling costs.

These studies have been conducted over the past year in a number of locations in the North East and South USA, and in Western Canada. In one major group of tests, Chrisal products have now been used in a dozen large facilities of a major national chain of fitness centers, with a large amount of test and usage data generated. Interesting data has also been generated from a Catholic School gymnasium study, as well as dozens of additional locations that have all confirmed the same results. To assure the independence of the data and results of this study, most of the testing was gathered and processed by totally different groups, plus for the chain of fitness facilities, two separate independent outside laboratories were used to do the before and after testing.

TESTING PROCEDURES

The facilities to be tested, and the access and testing times to those facilities were selected by the management of the different organizations.

- ❑ **BEFORE SAMPLES:** A range of test sites were selected in each facility. For example, at the commercial fitness facilities the sites to be tested included different locations within the facility, including such as public areas, bathrooms and areas for children, The handles and railings of exercise machines were also tested, primarily the handles and railings that people touch, through to bathrooms and other areas.
- ❑ It should be noted that all of the sites identified by their management had been well cleaned by the local staff with the normal products used by all the fitness centers for the “BEFORE TESTING”. Each test site was numbered and ATP samples were taken. A photograph was made of the ATP reading and the site where the reading was taken.
- ❑ At all the same sites an additional group of “BEFORE” swabs were taken for culture testing and were transported in coolers to two external laboratories. The two laboratories selected were: (1) PRO-LABS, which is also a manufacturer of safety test kits and provides testing services with certifications in many of the States and in Canada; (2) the second lab is ACAM Laboratories, which was recommended by 3M and is accredited by ISO/IEC. The results from the independent external laboratories were posted within 48 hours.
- ❑ **AFTER SAMPLES:** Once the “BEFORE” samples were taken, the facility staff started cleaning with the Chrisal Products. The staff then performed one week of cleaning with the Chrisal Probiotics before the “AFTER SAMPLES” were taken. In order to properly compare the “BEFORE and “AFTER” samples, the locations of the sampling in each case were identical..
- ❑ **RESULTS:** The detailed results of the testing are posted in the report on the next page and types of testing are broken down on the following pages after that. In addition, the copies of the laboratories’ test results are also attached along with other items of interest.

From the results it can be seen that there has been a major reduction in infectious materials (pathogens and other bacteria) contaminants and dirt ranging from 89.65% to 99.62% in all the sites with an average reduction of 90.95%. It also has been shown from studies conducted at all the other centers, as well as in hospitals that in one or two weeks more of accumulated use, even far greater control will be accomplished of the bacterial environment as well as total control of all odors.

Note that the original laboratory test results are available for viewing under separate cover if not already attached to this report copy.

NOTE:

IN THE FOLLOWING, DIFFERENT TESTING SITES AND RESULTS ARE SHOWN IN SEPARATE SECTIONS.

SUMMARY CHART OF ATP RESULTS- FITNESS FACILITIES

All of the original test reports from the laboratories involved in this study as well as the charts, photos and other data can be examined by qualified interested parties.

Please note: The BEFORE and AFTER results are presented all together on one master chart, for ease of comparison. In each case, it can be easily seen that a major improvement has occurred after only one week of Chrisal use.

Test Site	Test Site Description	Before Chrisal	After Chrisal	Before-After Reduction In Bacterial Contamination %
		ATP Readings	ATP Readings	
1	Kids Room front door handle	144	6	95.83%
2	Front desk - middle front	128	3	97.66%
3	Small sink area in Men's room	298	2	99.33%
4	Men's room middle urinal	154	4	97.40%
5	Men's Shower - first on right	6,243	633	89.86%
6	Spinning Bike	187	16	91.44%
7	Seated Fly Machine	262	15	94.27%
8	Seated Lat Raise Machine	341	17	95.01%
9	Other side shower 1	6,097	631	89.65%
10	Hall way floor Men's area	522	2	99.62%
11	Kids Room Jungle Jim	307	**x	x

See photos of the readings shown directly on the

ATP Meter on the page after these summary results.

**Note, due to a number of parents and kids in the children's room when follow up testing was done, samples were not taken in front of the parents to avoid any questions or concern.

SUMMARY CHART BACTERIAL TESTING - FITNESS FACILITIES

Test Site	Test Site Description	BEFORE CHRISAL	AFTER CHRISAL
		Pro-Lab Results Total cfu*	Pro-Lab Results Total cfu*
1	Kids Room front door handle	Too many to count	8 cfu
3	Small sink area in Men's room	29 cfu	8 cfu
5	Men's Shower - first on right	Too many to count	18 cfu
6	Spinning Bike	Too many to count	11 cfu
7	Seated Fly Machine	17 cfu	4 cfu
8	Seated Lat Raise Machine	Too many to count	6 cfu
9	Other side shower 1	7 cfu ?	x
10	Hall way floor Men's area	Too many to count	7 cfu
11	Kids Room Jungle Jim	52 cfu	**

Test Site	Test Site Description	BEFORE CHRISAL	AFTER CHRISAL
		ACAM Lab Results Aerobic PC /cfu	ACAM Lab Results Aerobic PC /cfu
2	Front desk - middle front	2,600	40
3	Small sink area in Men's room	50	< 10
4	Men's room middle urinal	< 10	< 10
5	Men's Shower - first on right	23,000	< 10
8	Seated Lat Raise Machine	60	30
9	Other side shower 1	25,000	< 10
10	Hall way floor Men's area	30	< 10

Note: This table is a summary of the BEFORE and AFTER results from the two different laboratories shown with the BEFORE and the AFTER side by side for ease of reading.

See the original master log sheet with all the data. The above figures show a major reduction in contamination from all sources and speak for themselves.

It should be noted that having more than one source lab to process the test swabs is worthwhile, as there was a invalid result in test number 9 from PRO-LABS. All of the other testing results showed extremely high readings for this location.

**PHOTOS OF EXAMPLES OF BEFORE & AFTER
ATP METER TEST READINGS AT TEST SITE #1012-SE**



3.1
Small
Sink
In Men's
Room



3.2



5.1
Men's
Shower
1st on
Right



5.2



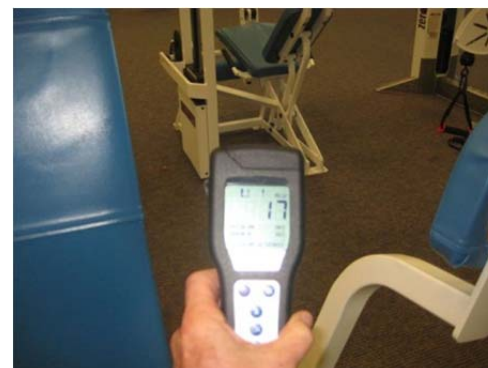
10.1
Hallway
Floor
Men's
Area



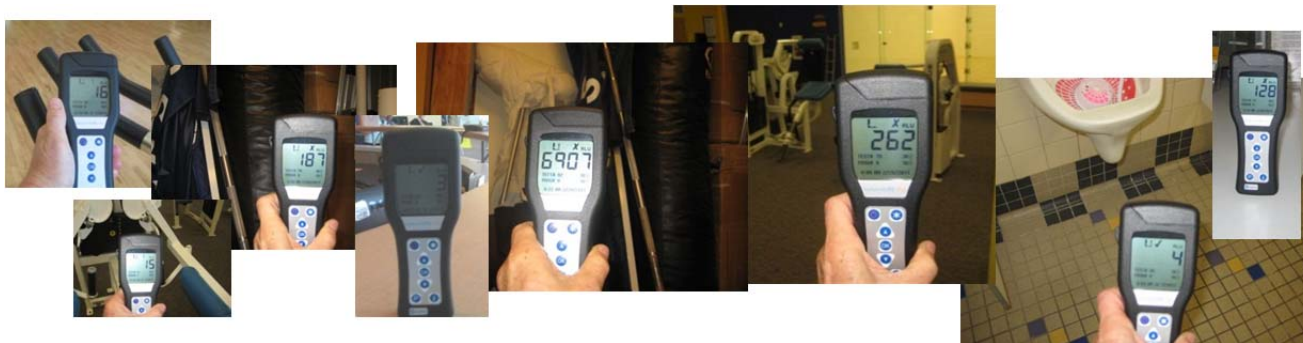
10.2



8.1
Seated
Lat-Raise
Machine



8.2



Photos of some of the additional areas tested

- ❑ On the attached reports, note that the Location Code is the code for the facility being tested. The Sample Numbers are the chain of evidence coding. For instance, the 1-1 indicates location number, 1 and the second 1 indicates this is the first test. The 1-2 shows location 1 and the 2 is the second test. The rest of the test swabs follow the same format.
- ❑ Note that all ATP test swabs were from Hygeina and all the culture swabs were all from 3-M or from Pro-Labs. In the reports, the attached reports from the laboratories break down each sample by types and amounts of culture forming units. Refer to the summary table, for a fast overall picture of what is happening. In the table the different types of culture forming units are combined to give one total number.
- ❑ **ODORS:** Note that a major reduction in odor was also accomplished in this new test site. This same reduction has been accomplished in all of the dozens of gyms, school locker rooms, and fitness centers that have used the Chrisal products to date.
- ❑ Note that the laboratories selected have the following qualifications:
 - AAB American Association of Bioanalysts
 - AARST American Association of Radon Scientists and Technologists
 - AIA Americas Inspector Alliance
 - AIAQC American Indoor Air Quality Council
 - AIHA American Industrial Hygiene Association (AIHA EMPAT # 163230)
 - ASHI American Society of Home Inspectors
 - ASHRAE American Society of Heating, Refrigerating and Air Conditioning Engineers
 - CREIA California Real Estate Inspectors Association
 - ESA Environmental Solutions Association
 - FABI Florida Association of Home Inspectors
 - GAHI Georgia Association of Home Inspectors
 - IAQA Indoor Air Quality Association
 - IDOPH Iowa Department of Public Health
 - IESO Indoor Environmental Standards Organization
 - KREIA Kentucky Real Estate Inspectors Association
 - ISDOH Indiana State Department of Health
 - LEHA The Lead and Environmental Hazards Association
 - MDOHC State of Maine Department of Human Services
 - NACHI National Association of Certified Home Inspectors
 - NADCA National Air Duct Cleaners Association
 - NAHI National Association of Home Inspectors
 - NEHA National Environmental Health Association
 - NFPA National Fire Protection Association
 - NJDEP New Jersey Department of Environmental Protection
 - NLAAC National Lead Abatement and Assessment Council
 - NRSB National Radon Safety Board
 - NYSDOH New York State Department of Health
 - ODOH State of Ohio Department of Health
 - PDEP Commonwealth of Pennsylvania Department of Environmental Protection
 - TAREI Texas Association of Real Estate Inspectors
 - WQA Water Quality Association

COPIES OF THE ORIGINAL REPORTS ATTACHED UNDER SEPARATE COVER:

For more detailed information see the copies of the original laboratories results. Please note which ones are the BEFORE and which ones are the AFTER by checking dates and if the sample numbers are X-1 or they are X-2 numbers.

THE FOLLOWING TESTS WAS DONE BY PROBIOTIC TECHNOLOGIES:

St. Antonitus School & Church (Ohio)

CHRISAL Cleaning Products Test 10/13/2010 start 09:00 AM
Using ATP Meter and Swabs from Hygiena Corp

<u>Test 1-- Office Table</u>	291	before cleaning
	0	After cleaning (using PIP All Purpose Cleaner)
<u>Test 2-- Janitors Hand</u>	414	before cleaning
	0	after cleaning
<u>Test 3-- Cafeteria Table</u>	1,852	before cleaning
	17	after cleaning
<u>Test 4-- Restroom Floor</u>	1,796	before cleaning (has visible dirt)
	70	after cleaning
<u>Test 5-- Childs Desk</u>	387	before cleaning
	6	after cleaning
<u>Test 6 -- Teachers Hand</u>	157	before cleaning
	4	after cleaning

All surfaces except the restroom were cleaned with CHRISAL PIP All Purpose Cleaner. The restroom floor was cleaned with the Sanitary Cleaner

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At St. Xavier High School (1,600 students, all boys) a number of ATP samples were taken on wrestling mats that had just been cleaned the previous day. The ATP test values were in the high 600's. After spraying the mats with Chrisal PIP, the ATP values were reduced to less than 10. The staff were skeptical of the change, so three of the staff rubbed the mats with their hands and walked on and ground their feet into the mats in an effort to re-contaminate them. In spite of their attempts, the Chrisal cleaned mats still retested at only an ATP reading of 16.



ADDITIONAL NOTE ON SCHOOLS

A separate report is now being compiled of all the testing done in schools to date of Chrisal PIP products. In every case a significant improvement was seen in a short period of time. At one of the high schools, the gym had been cleaned with Chrisal products, however the contamination reading were not going down. It was discovered that the reason for this was that the night crew from the school came in and cleaned over the Chrisal with their regular products. From that point on when only Chrisal products were used, the contamination reading dropped to unreadable readings.

Some of the schools tested to date that will be included in the school gym report include **Burley High School, Spanish Fork High School, Eastwood Elementary Evaluation, Farrer Elementary School, Goshen Elementary School and Westside Elementary School. Schools in the Cincinnati, Ohio area were tested - as well as school buses. The buses were cleaned by JAN-PRO with an electrostatic charge sprayer using Chrisal PIP Probiotic Environmental Control. Dramatic results were seen almost immediately. Extremely high ATP readings in excess of 900 to well over 1,200 were reduced to values under 20.**



Following are the test results of ATP Cleanliness Testing By John Edwards:

Note that with ATP testing, the lower the read-out number, the cleaner the area tested and that any reading of 30 or less is deemed safe for food preparation::

<u>Date Of Test</u>	<u>Cleaner Lysol</u>	<u>Control Cleaner Kitchen Soap</u>	<u>Cleaner Chrisal</u>
April 11	739	715	194
April 12	320	1,270	48
April 13	110	850	10
April 14	102	98	3
April 15	71	43	14 (heavy guest traffic day)
April 16	87	74	14



Photo of test counter area

ATP METER TESTING – EXPLANATION OF THE TECHNOLOGY & REASONS FOR USE

ATP (Adenosine Triphosphate) Testing Is a Major Break-Through In Analysis for Assuring Cleanliness & Safety

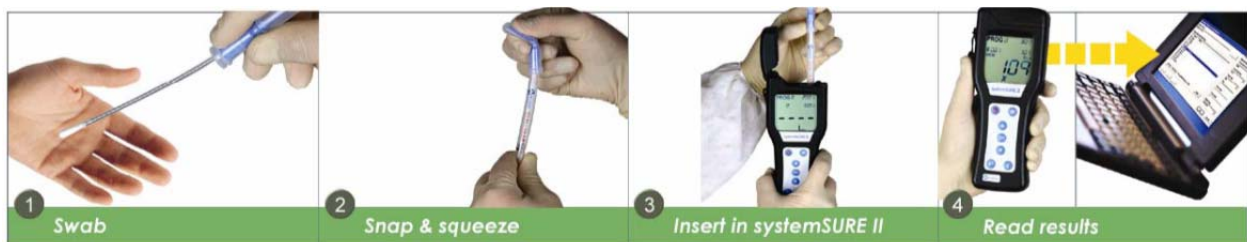
ATP testing is an excellent, rapid and widely used testing methodology for measuring cleanliness by the medical, food and other fields that require high levels of sanitation and a testing method that easily shows whether or not cleaning and disinfecting procedures are up to acceptable standards. A guarantee of being sanitized and contamination-free is essential.

An ATP meter is an exceptionally useful tool for immediate “on-the-spot” testing of exactly how dirty or clean (safe) any surface area is (including your skin). This scientific tool provides a huge time savings in testing as results are given immediately (in 15 seconds on a digital readout) instead of over a period of hours or days as with traditional cultures. There is also no requirement for a specialized staff to provide interpretation of the cultures, which takes interpretation and specialized staff. Another advantage is that ATP meters are small, hand-held devices portable enough to be taken anywhere, and require no laboratory back up.

Note that any ATP reading of under 30 is considered safe and over 30 is considered to have bacterial and/or other contamination.

ATP TESTING EASE OF USE:

Below is the sample procedure for ATP Testing. Simply rub the swab on any surface you wish to test, no matter if your hand, kitchen counter, operating room table or bathroom sink, put the swab into the tube, squeeze to break the liquid end, shake and then just insert into the meter and get an exact digital read out of the number value in 15 seconds. The system also numbers each test and is compatible with and plugs in to any computer to provide permanent electronic records.



The actual function of ATP testing measures adenosine triphosphate (ATP), the universal energy molecule found in all animal, plant, bacteria, yeast and mold cells. Residues, particularly food or organic residue, contain large amounts of ATP. When left on a surface, residues can harbor and grow bacteria, cause cross-contamination and develop biofilm and many other problems that can compromise product quality. Microbial contamination also contains ATP except in rare situations like the probiotics used by Chrisal.

When ATP is brought into contact with the unique, liquid-stable luciferase/luciferin reagent (such as in the Hygiene Ultrasnap or Aquasnap testing device), light is emitted in direct proportion to the amount of ATP present. The meter measures the amount of light generated and provides

information on the level of contamination in just seconds. The higher the reading, the more contamination present.

TESTING LOG

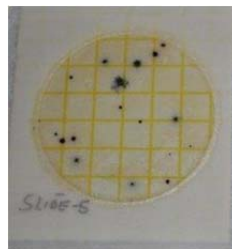
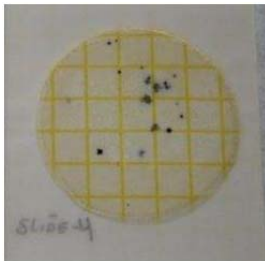
The following are sanitized copies of the results of a number of different testing performed at a number of health/wellness related facilities, that are part of the past year's overall testing group.

FIRST TEST GROUP – AUGUST, 2010:

The first test location was CM001:

This club is fairly active and had the normal gym odors and some specific needs. It also seemed that the club had a few problems. ATP Meter testing was done and the results, especially in the children's area were surprisingly high compared to the rest of the gym. Readings in a number of locations ranged from the 500's to well over 900 (any reading over 30 is normally considered a failure). Cultures were done using the 3-M culture swabs and 24 hour plates.

However, it should be noted that these high figures are also sometimes found on school buses (see the study just done by JanPro Cleaning on school buses and Catholic School gyms) and in kindergarten rooms. This is one of the reasons that young children are considered to be disease vectors. These types of readings were found in a number of locations, with the highest readings being on the play things, on the electronic devices and seating areas.



Readings in the general club areas, outside of the children's section were lower, though still high; and note that there were high readings on a number of the mats (both sides) and also on some of the equipment handles.



The second test location of the group of gyms was:

LOCATION C002

This facility was fairly active and appeared well run, but it had the normal gym odors and cleaning problems found in all such type facilities. After a walk-through of the club, the standard ATP Meter testing was done. The results were in the range normally found in gyms and sports locker rooms. There were several areas that the odor was stronger as well.



Since the initial reception and at the first facilities went well, a large number of additional facilities then started using the products.

Note: To assure that there was a true and accurate test of the difference between Chrisal Probiotic Products and the standard type products that were currently in use at the facilities, all the old supplies were put away so that there would be no mix-up of products.

The key test objectives to determine:

- (a) That the Chrisal probiotic products significantly lowered the risk of infections via the levels of bacterial contamination, like they did in hospitals and other facilities – and just as important, that they continued to protect surfaces for days at a time after each cleaning.
- (b) That the Chrisal products actually clean far better than other cleaners – and remove biofilm producing organisms. The gym had a cleaner look and feel with improved cleanliness on surfaces (including the grout in tiles). The Chrisal products are unique in that they keep on cleaning between applications.
- (c) Also most important is that the Chrisal Probiotics actually do remove odors and mustiness and take away that “gym” smell as well as other odors.
- (d) Another factor is that it was understood that the Chrisal Probiotic products actually can reduce labor and costs and deliver additional cleaning and other benefits. Among these are the fact that dangerous and unpleasant chemicals are no longer needed, and that probiotic cleaning ensures better customer retention and sales. In addition to the reduction in other costs, the Chrisal products were economical to use.

Note that the culture testing was consistent from club to club. In some areas there was very little contamination, however mats and machines tended to have greater contamination as well as in locker room areas.

**FIRST TEST GROUP
FIRST ROUND OF TESTING RESULTS - AUGUST, 2010 THROUGH JANUARY 2011:**

It is interesting that all of the dozen test locations have reported similar results with little or no variation between facility locations even though the clubs are in different cities, types of locations, and ranged in sizes and vary in the type of clientele served.

All of the facilities showed a significant reduction in both ATP readings when tested with a Hygiena ATP Meter and produced excellent results when sampled with 3M standard swabs and culture plates.



TIME FACTOR:

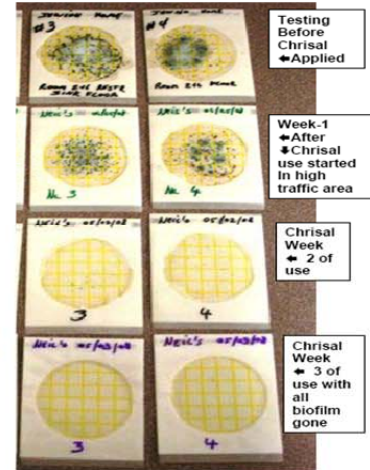
Of significant interest was that the average time it took to control the environment, to get rid of all odors in the gyms and to actually see a real improvement in cleanliness and physical improvement was often measured in days. When checking the overall environment of each facility, you could also physically see the difference in looks.

The cleaning staff of all the facilities not only liked the results, they were all are extremely enthusiastic about the Chrisal probiotic products. They have stated that they never want to go back to the old products. One facility reported it was now easier to deal with and retain cleaning people because the probiotic products are so pleasant to work with.

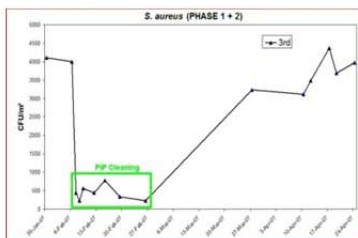
IMPORTANT NOTE ABOUT BIOFILM & PROTECTION FROM INFECTION RISKS

Though the Chrisal products have proven to clean more effectively than all of the other products tested, it takes a basic understanding of biofilm to understand why the facilities keep improving over the first few weeks. Information on biofilm will be attached to this study as a knowledge of biofilm is essential to any consideration of cleaning and maintaining any facility, no matter what its function – from a food processing facility to a gym or a hospital to a farm.

It should be understood that it appears that at least 80% of all infections are caused indirectly due to biofilm because they are the protection matrix produced by pathogens. One of the key functions of Chrisal is that it is one of the only solutions that safely and easily removes biofilm plus prevents its re-growth – and does so without chemicals – deconstructing biofilm and turning into harmless CO₂.



The key point here is that the biofilm produced over the weeks, months and years are thousand so layers of hardened material so that it normally takes from 2 to 15 days for Chrisal to eat away at all the biofilm that has accumulated and thus is able to vastly lower the risk of contamination, pathogens, viruses, mold and dirt.



Note this university study where the level of MRSA is immediately dropped with the start of Chrisal use and then the infectious

material rate climbed back up as soon as Chrisal use was terminated.

PHASE-III TESTING

After several months of successful testing in the first group of gym facilities, Chrisal was requested to do additional testing in additional groups of facilities:

NOTE ON FIRST ADDITIONAL FACILITY:

The first of the new facilities (#-P0010) was nothing like any of the locations tested to date and proved to have many challenges as well as a much high odor and other problems. It appears that several thousand people a day use the facilities, but we do not have accurate information to know the exact number.

There also appeared to be some cleaning problems in this location and it took more time to bring this facility under control, with the time factor involved to be about three (3) weeks. Once stabilized the facility was easy to maintain. The key was simply regular fogging with the Chrisal PEC>

INTERESTING NOTE RE CARPET CLEANING – REDUCTION IN CLEANING NEEDS:

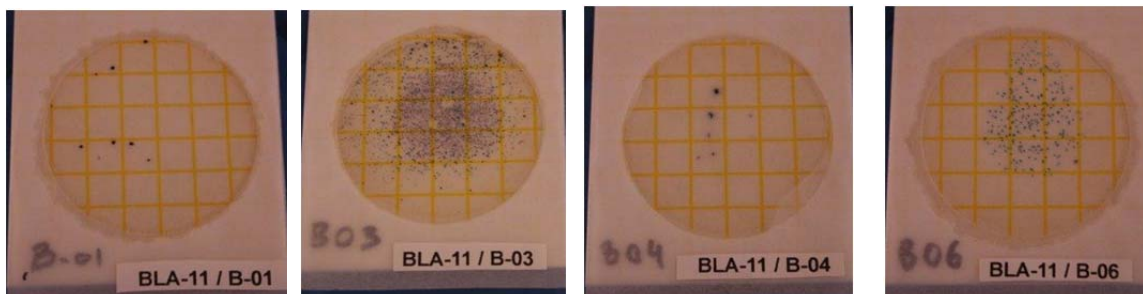
During a conversation with local management, they asked two interesting questions. Why did the carpet seem to clean well and why did the odor go away if the carpet had not been shampooed since Chrisal was applied.

The answer was because the facility had been fogged with Chrisal which penetrated the carpet and since Chrisal actually works on the microscopic level, it eats the things that actually cause the odor to begin with – plus since Chrisal breaks down and eats the biofilm that hold dirt and contamination – then it allows simple vacuuming to be much more effective.

That was when management asked why not then use the carpet cleaning service less often? They pointed out that this represented a large additional cost savings - and that meant that Chrisal provided an additional benefit which meant that the Chrisal products really would cost little to nothing for the company using the products due to the additional savings in other services and labor, aside from any of the other benefits.

FACILITY BL-011

This SE facility testing was started on January 11, 2011, with initial normal testing and results as per the below:



Though this facility had some of the same positive readings that most gyms do, there was nothing out of the ordinary compared to other facilities as far as any contamination. As for odor, that varied as it does from area to area. It was noted that the cleaning crew were very receptive to using the new type Chrisal products as soon as they understood the difference. The original and second group of testing done after a few weeks showed the normal variations found in most locations. In other words, in ever test done in a number of states and in all kinds of facilities, the results were in all cases totally dependable. In all cases a significant improvement was noted in the first week and normally within two to three weeks, total control of the environment was accomplished by the Chrisal probiotic products – with only one exception that was highly contaminated and did not have a cleaning crew that paid the proper attention and that took over three weeks to stabilize.

FACILITY TESTING STUDY

Location Code	Sample Number	Test Site	Type Test	Results	Addendum
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NOTE: FIRST GROUP OF SAMPLES

B-01		Men's bath-3rd black tile in middle from entrance	Culture	Positive - Med	ATP reading: 293
B-02		Men's bathroom - Middle urinal	Culture	Positive - Low	
B-03		Back machine handle	Culture	Positive - High	
B-04		Bike room - tagged spot	Culture	Positive - Med	ATP reading: 351
B-05		Men's dressing room carpet - first row	Culture	Positive - High	ATP reading: 472
B-06		Kid's table	Culture	Positive - High	
B-07		Kid's House Entrance	Culture	Positive - High	
B-08		Kid's chair (tagged underneath with tape)	Culture	Positive - Med	
B-09		Front desk - middle front	Culture	Positive - Low	

ID: SECOND GROUP OF SAMPLES - FOLLOW-UP - FROM THE SAME LOCATION:

BLA-11	B-10	Men's bath-3rd black tile in middle from entrance	Culture	Negative	Taken after 2nd week & Pro-Lab negative
BLA-11	B-11	Men's bathroom - Middle urinal	Culture	Negative Borderline	
BLA-11	B-12	Back machine handle	Culture	Visible Borderline	Prolab @ 1 CFU
BLA-11	B-13	Bike room - tagged spot	Culture	Visible Borderline	Prolab @ 1 CFU
BLA-11	B-14	Men's dressing room carpet - first row	Culture	Visible	
BLA-11	B-15	Kid's table	Culture	Negative Borderline	& Pro-Lab negative
BLA-11	B-16	Kid's House Entrance	Culture	Visible Borderline	
BLA-11	B-17	Kid's chair (tagged underneath with tape)	Culture	Visible	
BLA-11	B-18	Front desk - middle front	Culture	n/a	

CONCLUSIONS:

- a) In all of the fitness centers that have been using Chrisal, the first group for many months, another for near 3 months and the last starting in January, 2011, all have proven to have extremely positive results reported by all users.
- b) In addition, every one of the first dozen facilities has had odors eliminated to the point that there no longer is any gym smell in any of the facilities. In the new group, the same result is apparent.
- c) There has been a major reduction in the levels of bacterial contamination, as well as a very visible difference in cleanliness. It appears to be safe to say that most of the staff in all of the locations will report that the clubs look and smell much better and that customer satisfaction is higher. There is also the added benefit that the staff now has more cleaning product to work with since the same amount of Chrisal works effectively at higher rates of dilution than other products. The staff have more products to work with and no long have to “Push mud”.
- d) Further, that a number of health conscious members, have asked about the new cleaning system and are very happy with the probiotic track. They feel that the gyms care about their health and have become supporters who would also buy the product if it were offered.
- e) One interesting result is demonstrated by a simple test: If you walked into any normal professional gym and asked the staff “what do you use for your cleaning products” they would normally tell you to go talk to the cleaning person in the back.

However, now, when you walk into any of the facilities using the Chrisal probiotic products, most of the staff now know about the products and are excited about how much it helps the club and the people using it.

RESULTS IN THE REDUCTION OF BACTERIAL LEVELS FOR INFECTIOUS MATERIALS:

In every single case, using Chrisal probiotic products resulted in a major reduction, if not total elimination of bacterial contamination. It also has been seen in many studies that the longer you use the Chrisal products, the effect is cumulative and the results keep getting better.

As part of the reference for the work done to date, a number of studies and user reports will be attached. These are from many series of formal testing at universities in three countries, as well as hospitals and many other medical facilities, restaurants, schools and many other type facilities.

RESULTS FOR CLEANING:

There seems to be little doubt that far superior results are obtained when using the PIP probiotic products; not only in the ease and safety of use (no chemicals, no odors, good for the skin), but also the faster and longer lasting cleaning power. This is the only cleaning product that actually removes biofilm and stops its regrowth plus actually protects and keeps on cleaning for up to three days at a time.

All of the gymnasiums, facilities and clubs have all reported far better and easier cleaning with Chrisal.

ECONOMICS:

The Chrisal products are far more economical to use than most other products when simply factoring results. They work effectively at higher dilutions than many other products, and because of their high level of cleaning efficiency provide a great deal of additional direct costs savings and through indirect cost savings as well. These include labor and services reductions. It is important to further factor in the far greater customer satisfaction plus the value of the feeling of safety for their children Chrisal provides. One more significant factor is the additional promotional value that can be used with these products.

Additional financial benefits should be handled under a separate report by an accounting source.