

BIOPROTECT



BIOPROTECT's efficacy was tested over a 3 month period at 3 different hospitals across the United States. Testing was performed by Microbac Laboratories, Inc., for Hospitals A & B and Chestnut Laboratories conducted the testing for Hospital C. Within each hospital, 2 to 3 high traffic areas were selected for testing including a variety of different substrates. Swab tests were performed every 15 days over a 3 month period in 2010. The tests were monitored by each hospital's environmental supervisor and sent to the third party labs for testing.

Hospital A: University of Louisville Hospital

Hospital A is a teaching hospital located near downtown Louisville, Kentucky. The hospital's emergency room is one of the largest trauma facilities in the country and is able to accommodate up to 86 patients simultaneously. The center is staffed 24-hours a day and admits more than 2,400 patients each year; 40 percent of those are referred from other hospitals throughout the region. No patient numbers were readily available for the inpatient facilities.

Hospital B: Nationwide Children's Hospital

As one of the largest and most comprehensive pediatric hospitals and research institutes in the United States, Hospital B is home to the department of pediatrics for a local university medical school. In a typical year, the hospital sees patients from across the country and around the world. Hospital B is located in Columbus, Ohio and maintains a medical staff of approximately 950, a hospital staff of 6,800, and delivers pediatric care for almost 823,000 patient visits annually.


Hospital C: Freeman Hospital

Hospital C located in Joplin, Missouri, is also a teaching hospital and features a 404-bed, three-hospital system, which includes a comprehensive behavioral health center. The facility has recently completed a \$47 million expansion project. Hospital C is a member of the Oklahoma Osteopathic Medical Consortium of Oklahoma and the regional Osteopathic Postdoctoral Training Institution and an affiliate of Oklahoma State University-College of Medicine.

Hospital A Test Results


As demonstrated on the following certified reports from Microbac Laboratories, a significant decrease in microbes in all areas treated and tested at Hospital A was found. In fact, the average decrease in harmful bacteria and microbes for the three rooms treated and tested at Hospital A was 97.85%.

1.1. The results shown to the right from the Emergency Room Waiting Area of Hospital A shows a significant decrease in microbes when compared to the baseline sample. Swab tests were conducted every 15 days from January 2010 to May 2010 on three surfaces including two chairs and the vending machine keypad. The total decrease in microbes from the baseline test to the last follow-up test for this room was 97.13 %!



Microbac Laboratories, Inc.

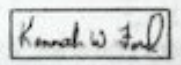
Kentucky Testing Laboratory Division
3323 Gilmore Industrial Boulevard Louisville, KY 40213
502/962-6400 Fax: 502/962-6411




██████████ Louisville, Kentucky, Treated Room, Emergency Room Waiting Area

| Sample Number | Sample Description | Baseline 1/26/2010 | Follow-up 2/10/2010 | Follow-up 3/1/2010 | Follow-up 3/15/2010 | Follow-up 4/5/2010 | Follow-up 4/22/2010 | Follow-up 5/12/2010 |
|---------------|-------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|
| 001 | ER Chair 1, Arms / Seat | 980 | 30 | 70 | <10 | <10 | 80 | <10 |
| 002 | ER Chair 2, Fabric Only | 2500 | 10 | 380 (1) | 47000 (2) | 41600 | 50 | 90 |
| 003 | Soda Machine, Keypad | 290 | <10 | 30 | 39000 (2) | 50 | 10 | <10 |
| 004 | | | | | | | | |
| 005 | | | | | | | | |
| 006 | | | | | | | | |
| 007 | | | | | | | | |
| 008 | | | | | | | | |
| 009 | | | | | | | | |
| 010 | | | | | | | | |
| 011 | | | | | | | | |
| 012 | | | | | | | | |
| 013 | | | | | | | | |
| 014 | | | | | | | | |


THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE
(1) Upon arrival, patient was sitting in chair
(2) ER Waiting Area very active


 Kenneth W. Ford, Director



Microbac Laboratories, Inc.

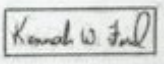
Kentucky Testing Laboratory Division
3323 Gilmore Industrial Boulevard Louisville, KY 40213
502/962-6400 Fax: 502/962-6411



██████████ Louisville, Kentucky, Treated Room Floor 5, Room 4

| Sample Number | Sample Description | Baseline 1/26/2010 | Follow-up 2/10/2010 | Follow-up 3/1/2010 | Follow-up 3/15/2010 | Follow-up 4/5/2010 | Follow-up 4/22/2010 | Follow-up 5/12/2010 |
|---------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|
| 001 | TV Remote | 990 | 10 | 10 | 10 | 380 | 340 | 10 |
| 002 | Middle Wall Panel | 1600 | 10 | <10 | <10 | <10 | 10 | 10 |
| 003 | Arm Rest of Chair | 270 | 10 | <10 | <10 | <10 | 40 | (1) |
| 004 | Blood Pressure Bulb | 130 | 20 | <10 | 30 | <10 | 40 | <10 |
| 005 | Night Light Switch | 100 | <10 | 10 | <10 | <10 | 20 | <10 |
| 006 | Counter Under Lip | 70 | <10 | 30 | <10 | <10 | <10 | <10 |
| 007 | Drawer Handles | 70 | <10 | <10 | <10 | <10 | 20 | <10 |
| 008 | Thermometer Blue Tip | 60 | <10 | <10 | <10 | <10 | 20 | (2) |
| 009 | | | | | | | | |
| 010 | | | | | | | | |
| 011 | | | | | | | | |
| 012 | | | | | | | | |
| 013 | | | | | | | | |
| 014 | | | | | | | | |


(1) Chair not present in room
(2) Thermometer not present in room


 Kenneth W. Ford, Director

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE


1.2 The results shown to the left from Room 4 on the 5th floor of Hospital A also shows a significant decline in microbes when compared to the baseline sample. Swab tests were conducted every 15 days from January 2010 to May 2010 on eight surfaces including the television remote, chair, blood pressure bulb, switch for the night light, drawer handles, thermometer, one wall panel, and underside of the counter lip. The decrease in microbes for this room was an astounding 99.95%!

1.3 The results shown to the right from Room 9 on the 9th Floor of Hospital A continues to show a significant decrease in microbes when compared to the baseline sample. Swab tests were conducted every 15 days from January 2010 to May 2010 on 11 surfaces including the TV remote, chair, drawer handles, bed handrail, controls and tray, IV equipment, outside door handle and frame as well as the frame for the monitor controls. The decrease in microbes for this room was 96.47%!



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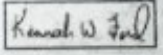
Kentucky Testing Laboratory Division
3323 Gilmore Industrial Boulevard Louisville, KY 40213
502/962-6400 Fax: 502/962-6411



Louisville, Kentucky, Treated Room Floor 9, Room 9

| Sample Number | Sample Description | Baseline 1/26/2010 | Follow-up 2/10/2010 | Follow-up 3/1/2010 | Follow-up 3/15/2010 | Follow-up 4/5/2010 | Follow-up 4/22/2010 | Follow-up 5/12/2010 |
|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|
| 001 | Chair Fabric | 160000 | 260 | 2100 (1) | 1000 | NA | (2) | NA |
| 002 | Handrail Bed | 2900 | 450 | 20 | 850 | NA | | <10 |
| 003 | TV Remote | 1400 | 250 | 30 | 900 | 120 | | 10 |
| 004 | Bed Tray | 980 | 240 | NA | NA | NA | | NA |
| 005 | IV Pole Standing | 690 | 20 | <10 | 770 | NA | | NA |
| 006 | IV Pole Ceiling Mount | 490 | <10 | <10 | 560 | <10 | | <10 |
| 007 | Bed Controls | 410 | <10 | <10 | <10 | NA | | <10 |
| 008 | Door Handle Outside | 140 | <10 | <10 | <10 | 10 | | 10 |
| 009 | Monitor Controls Frame | 60 | <10 | <10 | 80 | <10 | | 10 |
| 010 | Drawer handles | 570 | 10 | <10 | 60 | <10 | | <10 |
| 011 | Door Frame | 90 | 10 | <10 | <10 | <10 | ▼ | 10 |
| 012 | | | | | | | | |
| 013 | | | | | | | | |
| 014 | | | | | | | | |

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE:
 (1) Chair occupied upon arrival
 (2) Room not available due to hospital emergency


 Kenneth W. Ford, Director

| Hospital A Results | | | |
|--------------------------------|----------|----------------|------------------|
| Room | Baseline | Last Follow Up | Total % Decrease |
| Emergency Room Waiting Area | 3770 | 108 | 97.13% |
| Floor 5, Room 4 | 3290 | 116 | 96.47% |
| Floor 9, Room 6 | 167730 | 76 | 99.95% |

This outlines the data for the baseline and final follow-up testing as well as the total percentage of decrease in microbes for each room tested in Hospital A.

Hospital B Test Results

As demonstrated on the following certified reports from Microbac Laboratories, a significant decrease in microbes in all areas treated and tested at Hospital B was found. The average decrease in harmful bacteria and microbes for the two rooms treated and tested at Hospital B was 68.44 %. This result is lower than generally found in Hospitals A and C. The difference is explained by the notes on the Microbac Laboratories results certificate. Microbac determined the baseline data presented by the previous laboratory was invalid due to poor quality standards. Therefore, calculations for % of decrease were completed using the data from the first follow-up rather than the baseline.

Microbac

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502/962-6400 Fax: 502/962-6411



Columbus, Ohio, Treated Room 4009

| Sample Number | Sample Description | Baseline 1/26/2010 | Follow-up 2/10/2010 | Follow-up 3/1/2010 | Follow-up 3/15/2010 | Follow-up 4/5/2010 | Follow-up 4/22/2010 | Follow-up 5/12/2010 |
|---------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|
| 001 | Sink handle | *** | 200 | 4000 | 60 | <10 | <10 | <10 |
| 002 | Telephone | | <10 | <10 | 70 | <10 | <10 | <10 |
| 003 | Wall by Towel Dispenser | | <10 | 10 | <10 | <10 | <10 | <10 |
| 004 | Drawer handles | | 20 | <10 | <10 | <10 | <10 | 20 |
| 005 | Chair | | <10 | 30 | 1200 | <10 | (1) | 10 |
| 006 | Entry Door Handle Outside | | <10 | <10 | <10 | <10 | 20 | <10 |
| 007 | Sink Drain | | 30 | 3400 | 4400 | <10 | <10 | <10 |
| 008 | Light switch | | <10 | 20 | <10 | <10 | <10 | <10 |
| 009 | Sanitizer Housing by Sink | | 30 | <10 | 10 | <10 | <10 | <10 |
| 010 | Black Spotlight Handles | | <10 | <10 | <10 | <10 | <10 | <10 |
| 011 | VCR / Radio / CD Controls | | <10 | <10 | 20 | <10 | <10 | <10 |
| 012 | Thermostat | | 90 | 10 | 150 | <10 | (2) | 10 |
| 013 | Bottom of Towel Dispenser | | <10 | <10 | <10 | <10 | <10 | <10 |
| 014 | Door Frame | | <10 | <10 | 380 | <10 | <10 | <10 |
| 015 | Wall Area at Bottom of Bed | | 30 | 10 | <10 | <10 | 40 | <10 |
| 016 | TV Remote | | <10 | <10 | 50 | <10 | 10 | <10 |
| 017 | Nurses Call Button on Wall | | <10 | 10 | <10 | <10 | 60 | 10 |

*** All baseline testing invalidated due to previous labs quality control. Use Control room A6533 for baseline comparisons

(1) Chair removed from room

(2) Thermostat not accessible due to patient positioning

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE.

Kenneth W. Ford, Director

2.1 The results shown to the left from Room 4009 at Hospital B show a significant decrease in microbes. Swab tests were conducted every 15 days from January 2010 to May 2010 on 17 surfaces including the sink handle and drain, telephone, walls, drawer handles, chair, light switch, VCR/ Radio/CD controls, door frame, television remote, and the nurse call button. The percentage of decrease in microbes from the first follow-up to the last follow-up test was 66.53 %

2.2 The results shown to the right from Room 4029 at Hospital B show a significant decrease in microbes. Swab tests were conducted every 15 days from January 2010 to May 2010 on 14 surfaces including the sink handle and drain, door handles, light switch, phone, toilet handle, television remote, chair, drawer handles, countertop and wall towel dispenser. The percentage of decrease in microbes from the first follow-up to the last follow-up test was 70.34 %

Microbac

Microbac Laboratories, Inc.

Kentucky Testing Laboratory Division
3323 Gilmore Industrial Boulevard Louisville, KY 40213
502/962-6400 Fax: 502/962-6411



Columbus, Ohio, Treated Room 4029

| Sample Number | Sample Description | Baseline 1/26/2010 | Follow-up 2/10/2010 | Follow-up 3/1/2010 | Follow-up 3/15/2010 | Follow-up 4/5/2010 | Follow-up 4/22/2010 | Follow-up 5/12/2010 |
|---------------|----------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|
| 001 | Door handle | *** | <10 | <10 | <10 | <10 | 20 | <10 |
| 002 | Sink handle | | <10 | <10 | <10 | <10 | 10 | <10 |
| 003 | Drawer handles | | 20 | <10 | <10 | <10 | 50 | <10 |
| 004 | Light switch by sink | | <10 | <10 | <10 | <10 | <10 | <10 |
| 005 | Phone | | 20 | <10 | 30 | <10 | <10 | 180 |
| 006 | TV Remote | | <10 | <10 | 10 | <10 | <10 | 10 |
| 007 | Countertop | | 10 | 10 | <10 | <10 | <10 | <10 |
| 008 | Toilet handle | | 790 | 850 | 470 | 3 000 | <10 | <10 |
| 009 | Chair | | 30 | <10 | 20 | <10 | <10 | <10 |
| 010 | Sanitizer housing | | <10 | <10 | <10 | <10 | <10 | <10 |
| 011 | Sink drain | | 20 | <10 | 4 200 | 1 900 | <10 | <10 |
| 012 | Wall towel dispenser | | <10 | <10 | <10 | <10 | <10 | <10 |
| 013 | | | | | | | | |
| 014 | | | | | | | | |

*** All baseline testing invalidated due to previous labs quality control. Use Control room A6533 for baseline comparisons

Kenneth W. Ford, Director

| Hospital B Results | | | |
|--------------------|-----------------|----------------|------------------|
| Room | First Follow Up | Last Follow Up | Total % Decrease |
| Room 4009 | 499 | 167 | 66.53% |
| Room 4029 | 944 | 280 | 70.34% |

This outlines the data for the first and last follow-up testing as well as the total percentage of decrease in microbes for each room tested in Hospital B.

Hospital C Test Results

As demonstrated on the following certified reports from Chestnut Labs, a significant decrease in microbes in all areas treated and tested at Hospital C was found. In fact, the average decrease in harmful bacteria and microbes for the two rooms treated and tested at Hospital C was an astounding 99.84 %!

3.1 The results shown from Room 272 at Hospital C show a significant decrease in microbes. Swab tests were conducted every 15 days from February 2010 to June 2010 on 19 surfaces including the bed rail controls, television control, sink counter, monitor controls, light switch, closet door handle, privacy curtain, toilet surround and handle, chair, bed tray, sliding door handle, chart holder, and windowsill. The microbes in this room decreased by 99.87 %

3.1

3233 E. Chestnut Expressway • Springfield, MO 65802 • Tel: 417-629-3795 • Fax: 417-629-3767 • Website: www.ChestnutLabs.com

| Hospital Joplin, MO Room 272.1 | | | | | | | | |
|--------------------------------|---|------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|
| Field Collection Number | Sample Description | Baseline 2/25/10 | Follow-up 3/12/10 | Follow-up 3/26/10 | Follow-up 4/9/10 | Follow-up 4/23/10 | Follow-up 5/7/10 | Follow-up 5/21/10 |
| R1-1 | Bed rail controls, right side | 490 | <10 | <10 | <10 | NA** | 10 | NA** |
| R1-2 | Bed rail controls, left side, grab area | 790 | <10 | 10 | <10 | NA** | <10 | NA** |
| R1-3 | TV control | 120 | <10 | <10 | <10 | <10 | <10 | 30 |
| R1-4 | Monitor controls, bottom 3 inches | 30 | <10 | <10 | <10 | <10 | 20 | <10 |
| R1-5 | Sink counter area | 190,000 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-6 | Sink counter handles, left side | 130 | <10 | <10 | <10 | 10 | <10 | <10 |
| R1-7 | Main light switch | 10 | <10 | <10 | 10 | <10 | <10 | <10 |
| R1-8 | Closet door handle | 230 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-9 | Privacy curtain, inside | 3,100 | <10 | 10 | <10 | <10 | <10 | <10 |
| R1-10 | Toilet surround | 1,700 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-11 | Bed tray | 2,300 | <10 | <10 | <10 | <10 | <10 | 10 |
| R1-12 | Grey chair, non-adjustable | 900 | NA** | 10 | 20 | <10 | 110 | NA** |
| R1-13 | Monitor cable ends | 30 | NA* | NA* | NA* | NA* | NA* | NA* |
| R1-14 | Sliding glass door handle, at bed end | 120 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-15 | Chair door holder | 30 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-16 | Sanitizer housing | 210 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-17 | Sink counter top surface | 4,800 | <10 | <10 | <10 | 10 | <10 | <10 |
| R1-18 | Windowsill angle wall | 300 | <10 | <10 | <10 | <10 | <10 | <10 |
| R1-19 | Toilet control button | 30 | <10 | <10 | <10 | <10 | <10 | <10 |

* Culture in use
** Chair not in room
*** Different seat in room
**** Different TV control in room

Results Approved By: Michael Clark
Laboratory Manager

3.2

3233 E. Chestnut Expressway • Springfield, MO 65802 • Tel: 417-629-3795 • Fax: 417-629-3767 • Website: www.ChestnutLabs.com

| Hospital Joplin, MO Room 273.1 | | | | | | | | |
|--------------------------------|---|------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|
| Field Collection Number | Sample Description | Baseline 2/25/10 | Follow-up 3/12/10 | Follow-up 3/26/10 | Follow-up 4/9/10 | Follow-up 4/23/10 | Follow-up 5/7/10 | Follow-up 5/21/10 |
| R2-1 | Bed rail controls, right side | 30 | 20 | <10 | <10 | NA** | NA** | NA** |
| R2-2 | Bed rail controls, left side, grab area | 790 | <10 | <10 | <10 | NA** | NA** | NA** |
| R2-3 | TV control | 110 | 80 | <10 | <10 | 40 | <10 | NA** |
| R2-4 | Monitor controls, bottom 3 inches | 30 | 10 | <10 | <10 | <10 | <10 | <10 |
| R2-5 | Sink counter area | 98,500 | <10 | 10 | <10 | 10 | <10 | <10 |
| R2-6 | Sink counter handles, left side | 30 | <10 | <10 | <10 | <10 | <10 | <10 |
| R2-7 | Main light switch | 170 | <10 | <10 | <10 | <10 | <10 | <10 |
| R2-8 | Closet door handle | 80 | <10 | <10 | <10 | <10 | <10 | <10 |
| R2-9 | Privacy curtain, inside | 190 | <10 | <10 | <10 | <10 | <10 | <10 |
| R2-10 | Toilet surround | 1,800 | <10 | <10 | <10 | <10 | <10 | <10 |
| R2-11 | Bed tray | 720 | 10 | <10 | <10 | <10 | <10 | <10 |
| R2-12 | Green recliner | 50 | <10 | <10 | <10 | <10 | NA** | <10 |
| R2-13 | Monitor cable ends | 610 | NA* | 10 | NA* | NA* | NA* | NA* |
| R2-14 | Sliding glass door handle, at bed end | 120 | <10 | <10 | <10 | 20 | <10 | 30 |
| R2-15 | Chair door holder | 30 | 10 | <10 | <10 | <10 | <10 | <10 |
| R2-16 | Sanitizer housing | 110 | <10 | <10 | <10 | <10 | 10 | <10 |
| R2-17 | Sink counter top surface | 1,300 | <10 | <10 | <10 | 10 | <10 | <10 |
| R2-18 | Windowsill angle wall | 40 | <10 | <10 | <10 | <10 | 10 | <10 |
| R2-19 | Toilet control button | 110 | <10 | <10 | <10 | <10 | <10 | <10 |

* Culture in use
** Chair not in room
*** Different seat in room
**** Different TV control in room

Note - Room 273.1 had a "Contact Precaution - MRSA Patient" notice posted on 4/9/10

Results Approved By: Michael Clark
Laboratory Manager

3.2 The results shown from Room 273 at Hospital C also show a significant decrease in microbes. Once again, swab tests were conducted every 15 days from February 2010 to June 2010 on 19 surfaces including the bed rail controls, television control, sink counter, monitor controls, light switch, closet door handle, privacy curtain, toilet surround and handle, chair, bed tray, sliding door handle, chart holder, and windowsill. The microbes in this room decreased by 99.81 %!

| Hospital C Results | | | |
|--------------------|-----------------|----------------|------------------|
| Room | First Follow Up | Last Follow Up | Total % Decrease |
| Room 272 | 205830 | 277 | 99.87% |
| Room 273 | 103940 | 193 | 99.81% |

Final Conclusions

All antimicrobials are not created equal. It's important to understand the basic chemical, physical, and biological properties of an antimicrobial so the best choice can be made. Because of its unique mode of action and inability to migrate from a treated surface, our technology is the obvious choice to minimize environmental contamination and the development of resistant organisms. Our EPA approved products are safe for the environment, humans, and pets. They are non-dissipating, non-leaching, non-migrating from the applied substrate and cannot be absorbed by micro-organisms or by humans.



Hospital A: University of Louisville Hospital
530 S Jackson Street Louisville, KY 40202

| | 26th Jan 10 | 10th Feb 10 | 1st Mar 10 | 15th Mar 10 | 5th Apr 10 | 22nd Apr 10 | 12th May 10 |
|------------------------------------|---------------------------------|-------------|------------|-------------|------------|-------------|-------------|
| Emergency Room Waiting Area | Pre BioProtect Treatment | Results | Results | Results | Results | Results | Results |
| ER Chair #1 Arms/Seat | 980 | 30 | 70 | <10 | <10 | 80 | <10 |
| ER Chair #2 Fabric only | 2,500 | 10 | ****380 | **47,000 | 41,600 | 50 | 90 |
| Soda Machine keypad | 290 | <10 | 30 | **36,000 | 50 | 10 | <10 |

**** Upon arrival, patient was sitting in test chair
** Emergency room was very active

| | 26th Jan 10 | 10th Feb 10 | 1st Mar 10 | 15th Mar 10 | 5th Apr 10 | 22nd Apr 10 | 12th May 10 |
|------------------------|---------------------------------|-------------|------------|-------------|------------|-------------|-------------|
| Floor 5, Room 4 | Pre BioProtect Treatment | Results | Results | Results | Results | Results | Results |
| TV Remote | 990 | 10 | 10 | 10 | 380 | 340 | 10 |
| Middle Wall Panel | 1,600 | 10 | <10 | <10 | <10 | 10 | 10 |
| Armrest Chair | 270 | 10 | <10 | <10 | <10 | 40 | NA |
| Blood pressure bulb | 130 | 20 | <10 | 30 | <10 | 40 | <10 |
| Night Light switch | 100 | <10 | 10 | <10 | <10 | 20 | <10 |
| Counter under lip | 70 | <10 | 30 | <10 | <10 | <10 | <10 |
| Drawer handles | 70 | <10 | <10 | <10 | <10 | 20 | <10 |
| Thermometer Blue tip | 60 | <10 | <10 | <10 | <10 | 20 | NA |

| | 26th Jan 10 | 10th Feb 10 | 1st Mar 10 | 15th Mar 10 | 5th Apr 10 | 22nd Apr 10 | 12th May 10 |
|-------------------------|---------------------------------|-------------|------------|-------------|------------|-----------------------------------|-------------|
| Floor 9, Room 9 | Pre BioProtect Treatment | Results | Results | Results | Results | Results | Results |
| Chair Fabric | 160,000 | 260 | ***2,100 | 1,000 | *NA | Unable to test as patient in room | NA |
| Bed Handrail | 2,900 | 450 | 20 | 650 | **NA | | <10 |
| TV Remote | 1,400 | 250 | 30 | 900 | 120 | | 10 |
| Bed Tray | 980 | 240 | NA | NA | NA | | NA |
| IV Pole standing | 690 | 20 | <10 | 770 | NA | | NA |
| IV Pole Ceiling Mounted | 490 | <10 | <10 | 560 | <10 | | <10 |
| Bed Controls | 410 | <10 | <10 | <10 | NA | | <10 |
| Door Handle outside | 140 | <10 | <10 | <10 | 10 | | 10 |
| Monitor Controls | 60 | <10 | <10 | 80 | <10 | | 10 |
| Drawer Handles | 570 | 10 | <10 | 60 | <10 | | <10 |
| Door Frame | 90 | 10 | <10 | <10 | <10 | 10 | |

All testing performed independently by Microbac Laboratories, Inc, Louisville
*** Chair was occupied on arrival
** Missing Items
* Room undergoing renovation; chairs and cabinets being changed



Hospital B: Nationwide Children's Hospital
700 Children's Drive Columbus, Ohio 43205

| Untreated Control Room (A6633) | 10th Feb 10 |
|--------------------------------|--------------------------|
| | Pre BioProtect Treatment |
| Light switch | <10 |
| Bed Tray | 620 |
| Bed Controls | <10 |
| TV Remote | 570 |
| Reclining Chair | 1,200 |
| Couch | 530 |
| Bed Rail | 1,000 |
| Telephone | 720 |
| Toilet Handle | 350 |
| Table | 1,300 |
| Cabinet Handles | 730 |
| Door Handle | <10 |
| Wall under sink | 40 |
| VCR/DVD Controls | <10 |
| Door Blind Control | <10 |

Note - The reason the rooms below have no pre-BioProtect 500 results is that they had just been cleaned prior to arrival on site, and would not have given meaningful baseline readings. The hospital selected this room being similar and adjacent for baseline testing.

| Floor 4, Room 4009 | 10th Feb 10 | 1st Mar 10 | 15th Mar 10 | 5th Apr 10 | 22nd Apr 10 | 12th May 10 |
|-----------------------------|-------------|------------|-------------|------------|-------------|-------------|
| | Results | Results | Results | Results | Results | Results |
| Sink Handle | 200 | 4,000 | 60 | <10 | <10 | <10 |
| Phone | <10 | <10 | 70 | <10 | <10 | <10 |
| Wall by Towel Dispenser | <10 | 10 | <10 | <10 | <10 | <10 |
| Drawer Handles | 20 | <10 | <10 | <10 | <10 | 20 |
| Chair | <10 | 30 | 1,200 | <10 | NA | 10 |
| Door Handle Outside | <10 | <10 | <10 | <10 | 20 | <10 |
| Sink Drain | 30 | 3,400 | 4,400 | 10 | <10 | <10 |
| Light Switch | <10 | 20 | <10 | <10 | <10 | <10 |
| Sanitizer Housing by sink | 30 | <10 | 10 | <10 | <10 | <10 |
| Black Spotlight left handle | <10 | <10 | <10 | <10 | <10 | <10 |
| VCR/Radio/CD Controls | <10 | <10 | 20 | <10 | <10 | <10 |
| Thermostat | 90 | 10 | 150 | 20 | NA | 10 |
| Bottom of Towel Dispenser | <10 | <10 | <10 | NA* | <10 | <10 |
| Door Frame | <10 | <10 | 380 | <10 | <10 | <10 |
| Wall area Bed end | 30 | 10 | <10 | <10 | 40 | <10 |
| TV Remote | <10 | <10 | 50 | <10 | 10 | <10 |
| Nurse Call Button | <10 | 10 | <10 | <10 | 60 | 10 |

*All testing performed independently by Microbac Laboratories, Inc, Louisville

| Floor 4, Room 4029 | 10th Feb 10 | 1st Mar 10 | 15th Mar 10 | 5th Apr 10 | 22nd Apr 10 | 12th May 10 |
|----------------------------|-------------|------------|-------------|------------|-------------|-----------------------------------|
| | Results | Results | Results | Results | Results | Results |
| Entry Door Handle | <10 | <10 | <10 | <10 | 20 | Unable to test as patient in room |
| Sink Handle | <10 | <10 | <10 | <10 | 10 | |
| Drawer Handles | 20 | <10 | <10 | <10 | 50 | |
| Light Switch by sink | <10 | <10 | <10 | <10 | <10 | |
| Phone | 20 | <10 | 30 | <10 | <10 | |
| TV Remote | <10 | <10 | 10 | <10 | <10 | |
| Countertop at sink | 10 | 10 | <10 | <10 | <10 | |
| Toilet Handle | 790 | 850 | 470 | 3,000 | <10 | |
| Chair - arms and seat | 30 | <10 | 20 | <10 | <10 | |
| Sanitizer Housing by door | <10 | <10 | <10 | <10 | <10 | |
| Sink Drain | 20 | <10 | 4,200 | 1,900 | <10 | |
| Wall below Towel Dispenser | <10 | <10 | <10 | <10 | <10 | |

*All testing performed independently by Microbac Laboratories, Inc, Louisville



Hospital C: Freeman Hospital
1102 West 32nd Street Joplin, MO 64804

| Ref. | Room 272.1 | 25th Feb 10 | 12th Mar 10 | 30th Mar 10 | 14th Apr 10 | 5th May 10 |
|-------|--|--------------------------|-------------|-------------|-------------|------------|
| | | Pre BioProtect Treatment | Results | Results | Results | Results |
| R1.1 | Bed Rail Controls, right side | 490 | <10 | <10 | <10 | NA*** |
| R1.2 | Bed Rail Controls, left side grab area | 380 | <10 | <10 | <10 | NA*** |
| R1.3 | TV control | 120 | <10 | <10 | <10 | <10 |
| R1.4 | Monitor controls, bottom 3 inches | 30 | <10 | <10 | <10 | <10 |
| R1.5 | Sink counter area | 190,000 | <10 | <10 | <10 | <10 |
| R1.6 | Starsys cart handles, left side | 150 | <10 | <10 | <10 | 10 |
| R1.7 | Main light switch | 50 | <10 | <10 | 10 | <10 |
| R1.8 | Closet door handle | 230 | <10 | <10 | <10 | <10 |
| R1.9 | Privacy curtain, inside | 3,100 | <10 | <10 | <10 | <10 |
| R1.10 | Toilet surround | 1,700 | <10 | <10 | <10 | <10 |
| R1.11 | Bed tray | 2,900 | <10 | <10 | <10 | <10 |
| R1.12 | Grey Chair, fabric/armrests | 900 | NA** | 10 | 20 | <10 |
| R1.13 | Monitor cable ends | 340 | NA* | NA* | NA* | NA* |
| R1.14 | Sliding back door handle, inside and out | 120 | <10 | <10 | <10 | <10 |
| R1.15 | Chart door holder | 340 | <10 | <10 | <10 | <10 |
| R1.16 | Sanitizer housing | 210 | <10 | <10 | <10 | <10 |
| R1.17 | Starsys counter top surface | 4,800 | <10 | <10 | <10 | 10 |
| R1.18 | Windowsill angle wall | 260 | <10 | <10 | <10 | <10 |
| R1.19 | Toilet control button | 50 | <10 | <10 | <10 | <10 |

All testing performed independently by Matthew Fuller of Chestnut labs, Springfield, Missouri

** Cables in use

** Chair not in room

*** Different bed in room"

| Ref. | Room 273.1 | 25th Feb 10 | 12th Mar 10 | 30th Mar 10 | 14th Apr 10 | 5th May 10 |
|-------|--|--------------------------|-------------|-------------|-------------|------------|
| | | Pre BioProtect Treatment | Results | Results | Results | Results |
| R1.1 | Bed Rail Controls, right side | 340 | 20 | <10 | <10 | NA** |
| R1.2 | Bed Rail Controls, left side grab area | 780 | <10 | <10 | <10 | NA** |
| R1.3 | TV control | 110 | 60 | <10 | <10 | 40 |
| R1.4 | Monitor controls, bottom 3 inches | 20 | 10 | <10 | <10 | <10 |
| R1.5 | Sink counter area | 96,000 | <10 | 10 | <10 | 10 |
| R1.6 | Starsys cart handles, left side | 30 | <10 | <10 | <10 | <10 |
| R1.7 | Main light switch | 170 | <10 | <10 | 10 | 10 |
| R1.8 | Closet door handle | 80 | <10 | <10 | <10 | <10 |
| R1.9 | Privacy curtain, inside | 180 | <10 | <10 | <10 | <10 |
| R1.10 | Toilet surround | 1,900 | <10 | <10 | <10 | <10 |
| R1.11 | Bed tray | 720 | 10 | <10 | <10 | <10 |
| R1.12 | Grey Chair, fabric/armrests | 520 | <10 | <10 | <10 | <10 |
| R1.13 | Monitor cable ends | 610 | NA* | 10 | NA* | NA* |
| R1.14 | Sliding back door handle, inside and out | 120 | <10 | <10 | <10 | 20 |
| R1.15 | Chart door holder | 390 | 10 | <10 | <10 | <10 |
| R1.16 | Sanitizer housing | 100 | <10 | <10 | <10 | <10 |
| R1.17 | Starsys counter top surface | 1,300 | <10 | <10 | <10 | 10 |
| R1.18 | Windowsill angle wall | 460 | <10 | <10 | <10 | <10 |
| R1.19 | Toilet control button | 110 | <10 | <10 | <10 | <10 |

All testing performed independently by Matthew Fuller of Chestnut labs, Springfield, Missouri

* Cables in use

** Different bed in room