

# Laboratory & Clean Room Usage Guide



**PX 300 ES**  
Cordless Electrostatic Backpack Sprayer



**PX 200 ES**  
Handheld Electrostatic Sprayer



- 3x more surface coverage
- Touchless electrostatic disinfection
- Advanced battery technology – 4 hour continuous run time
- Portable and Cordless
- Easy for staff to train & use
- Consistent, reliable application

- EPA registered disinfectant & sanitizing tablets that readily dissolve in water
- Eliminates and controls odors, cost effective & sustainable
- Kills C. diff, C. auris, Norovirus, MRSA, Cold & Flu virus
- EPA List N disinfectant for use against SARS CoV-2 (COVID-19)

## DILUTION CHART

CONCENTRATION	KILL CLAIMS	PX200 HANDHELD	PX300 BACKPACK
<b>100 PPM</b>	Food contact surface sanitizer (No Rinse) 60 seconds contact time	(1) 334mg tab / 1qt	(1) 3.3g tab / 2 gal
<b>538 PPM</b>	Hospital grade disinfectant claims (Bleach alt.) Cold & flu virus' (including H1N2), Salmonella & Staph	(6) 334mg tb / 1 qt	(4) 3.3g tab / 2 gal (1) 13.1g tab / 2 gal
<b>1076 PPM</b>	Bloodborne pathogen, Herpes & Polio, Norovirus, MRSA & Ecoli, HIV & Hep B claims, Many animal pathogens, SARS-CoV-2 (COVID-19) - 10 min. claim	(1) 3.3g tab / 1 qt	(8) 3.3g tab / 2 gal (2) 13.1g tab / 2 gal
<b>2153 PPM</b>	C. Diff spore - 10 min. claim	(2) 3.3g tab / 1 qt	(16) 3.3g tab / 2 gal (4) 13.1g tab / 2 gal
<b>4306 PPM</b>	C. Diff spore - 4 minute claim, SARS-CoV-2 (COVID-19) - 10 min. claim C. auris - 2 min. claim	(4) 3.3 g tabs / 1 qt	(32) 3.3g tab / 2 gal (8) 13.1g tab / 2 gal

*Disclaimer: The Protexus Electrostatic Sprayer™ has not been evaluated for use with solutions other than those from EarthSafe or the EvaClean Program. Disinfectants and sanitizers have differing usage guides, dwell times, and kill claims which can impact application results. EarthSafe makes no guarantees or warranties of any kind, either express or implied, including but not limited to, fitness for a particular purpose. Use of the Protexus Electrostatic Sprayer™ is at the user's own risk. Improper care or use of the Protexus Electrostatic Sprayer™ resulting in damage to the unit is not covered under manufacturer's warranty.*

# Laboratory & Clean Room Usage Guide



## DEFINITIONS

### CLEANING

Physically removing all dirt and contamination, oftentimes using soap and water. The friction of cleaning removes most germs and exposes any remaining germs to the effects of a sanitizer or disinfectant used later.

### SANITIZING

Reducing germs on inanimate surfaces to levels considered safe by public health codes or regulations. Sanitizing may be appropriate for *food service tables, high chairs, toys, and pacifiers.*

### DISINFECTING

Destroying or inactivating most germs on any inanimate object, but not bacterial spores. Disinfecting may be appropriate for *diaper tables, door and cabinet handles, toilets, and other bathroom surfaces.*

### DETERGENT

A cleaning agent that helps dissolve and remove dirt and grease from fabrics and surfaces. Soap can be considered a type of detergent.

### DWELL TIME

The duration a surface must remain wet with a sanitizer/disinfectant to work effectively.

### GERMS

Microscopic living things (such as bacteria, viruses, parasites and fungi) that cause disease.

KILL CLAIMS	CONCENTRATION	DILUTION
SANITIZER Food contact surface sanitizer (No Rinse) 60 second contact time	100 – 200 ppm	(1) 334mg tab / 1 qt (1) 3.3g tab / 2 gal (1) 13.1 tab / 10 gal
DISINFECTION & OUTBREAK CONTROL Cold & flu virus (including H1N1) Salmonella & Staph Bloodborne pathogen, Herpes & Polio, Norovirus, MRSA & E.coli, HIV, Hep B & Hep C - 10 minute contact time, SARS-CoV-2 (COVID-19) 4 minute contact time	1076 ppm	(11) 334mg tab / 1 qt (4) 3.3 g tab / 1 gal (1) 13.1 tab / 1 gal

## CLEANING, SANITIZING, AND DISINFECTING FREQUENCY TABLE

AREAS	CONCENTRATION	SCHEDULE
Tables, Countertops, workspace	100 ppm	Daily
Phones, Computers, Keyboards, non-porous equipment	100 ppm	Daily
Door Knobs, Faucet, Handles	100 ppm	Daily
Bathrooms	538 ppm	Daily
Flu/H1N1 Outbreak (All Areas) Norovirus Outbreak (All Areas) SARS-CoV-2 Outbreak (All Areas)	1076 ppm	At onset of outbreak until controlled

MFR. NO.	DESCRIPTION
ESPT334MG	334MG PURTABS – Food contact surface safe sanitizer (100 tabs/box)
ESPT3.3G	3.3G PURTABS – Hospital grade disinfectant (200 tabs/tub)
ESPT13.1G	13.1G PURTABS – Hospital grade disinfectant (200 tabs/tub)
PX200ES	Protexus Electrostatic Handheld Sprayer
PX300ES	Protexus Electrostatic Backpack Sprayer