

INJECTORS DISINFECTING GUIDELINES

Diagnostic imaging





OPTIVANTAGE®



ILLUMENA® NEO



READY BOX®



OPTIONE®



OPTISTAR® ELITE




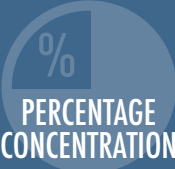



The Chemical agents listed are determined using the EPA list for disinfectants against COVID-19.

OPTIVANTAGE® / OPTIONE®

DISINFECTING GUIDELINES



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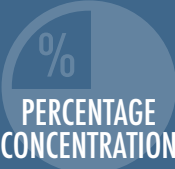



 <p>CHEMICAL AGENT</p>	 <p>PERCENTAGE CONCENTRATION</p>	 <p>AGENT PRODUCT EFFECT</p>	 <p>RECOMMENDATION OF USE</p>	 <p>PRODUCT DETAILS</p>
<p>Ethyl Alcohol (Ethanol)</p>	<p>62%</p>	<ul style="list-style-type: none"> ▶ No components were affected ▶ Did not cause any damage or discoloration to any of the tested components or surfaces 	<ul style="list-style-type: none"> ▶ The most benign chemical for use 	
<p>Hydrogen Peroxide</p>	<p>2.2%</p>	<ul style="list-style-type: none"> ▶ The powerhead screw coating had a minor affect ▶ No plastic or rubber components were affected ▶ There was a slight effect on hardware: power head screws 	<ul style="list-style-type: none"> ▶ Only a small effect on some plating of metals. Use with caution. Percentage concentrations of both chemical agents should not be lower than or exceed the listed percentages in this row. 	<ul style="list-style-type: none"> ▶ Powerhead Screws: Material: 904142 - 10 mm Screw; Steel with Black Zinc Coating: <ul style="list-style-type: none"> ▶ in the pre vs. post disinfectant, there was some slight removal of the black zinc coating
<p>+ Isopropyl Alcohol (Isopropanol)</p>	<p>0.5%</p>			
<p>Citric Acid</p>	<p>0.6%</p>	<ul style="list-style-type: none"> ▶ Two components were affected ▶ Moderate effect on some plating of metals ▶ The powerhead screw coating was slightly affected ▶ The console hinge screws was moderately affected as far as appearance with respect to the oxide coating 	<ul style="list-style-type: none"> ▶ For use on plastics only 	<ul style="list-style-type: none"> ▶ Power head screws: 904142 - 10 mm Screw; Steel With Black Zinc Coating ▶ Console Hinge Screws: 904159 - #10 Screw, Steel With Zinc Coating

ILLUMENA NEO®

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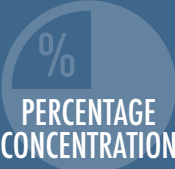



 <p>CHEMICAL AGENT</p>	 <p>PERCENTAGE CONCENTRATION</p>	 <p>AGENT PRODUCT EFFECT</p>	 <p>RECOMMENDATION OF USE</p>	 <p>PRODUCT DETAILS</p>
<p>Ethyl Alcohol (Ethanol)</p>	<p>62%</p>	<ul style="list-style-type: none"> ▶ The product did not cause any damage or discoloration to any of the tested components or surfaces ▶ No components were affected ▶ No damage on any hardware with zinc or black oxide plating 	<ul style="list-style-type: none"> ▶ Most benign chemical of the test disinfectants and should be the first to be recommended 	
<p>Hydrogen Peroxide</p>	<p>2.2%</p>	<ul style="list-style-type: none"> ▶ A minor effect on the Pedestal Hub blue paint (dots created) ▶ A medium effect on the lag screws zinc plating 	<ul style="list-style-type: none"> ▶ Use with caution. Percentage concentrations of both chemical agents should not be lower than or exceed the listed percentages in this row. 	<ul style="list-style-type: none"> ▶ PEDESTAL HUB: Material: 905838 - Lexan FL900 Polycarbonate Structural Foam. Only the portion painted PMS 296 (Guerbet Blue) was affected. ▶ LAG SCREWS: Material: 904162 - STEEL; ZINC PLATING
<p>+ Isopropyl Alcohol (Isopropanol)</p>	<p>0.5%</p>			
<p>Citric Acid</p>	<p>0.6%</p>	<ul style="list-style-type: none"> ▶ The Pedestal Hub blue paint had minor staining ▶ A medium effect on the lag screws zinc plating ▶ Seven additional hardware components had medium discoloration of the plating ▶ Six of the hardware components had minor to medium plating removal 	<ul style="list-style-type: none"> ▶ For use on plastics only 	<p>Only the portion painted PMS 296 (Guerbet Blue) was affected.</p> <ul style="list-style-type: none"> ▶ 904119 - STEEL; ZINC PLATING ▶ 904101 - STEEL; ZINC PLATING ▶ 904162 - STEEL; ZINC PLATING ▶ 904145 - STEEL; ZINC PLATING ▶ 904134 - SPRING STEEL; BLACK OXIDE ▶ 311S0012 - STEEL; ZINC PLATING ▶ 311S0041 - STEEL; ZINC PLATING ▶ 311S0032 - STAINLESS STEEL; ZINC PLATING

OPTISTAR[®] ELITE

DISINFECTING GUIDELINES



OPTISTAR® ELITE DISINFECTING GUIDELINES


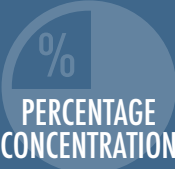



 <p>CHEMICAL AGENT</p>	 <p>PERCENTAGE CONCENTRATION</p>	 <p>AGENT PRODUCT EFFECT</p>	 <p>RECOMMENDATION OF USE</p>	 <p>PRODUCT DETAILS</p>
<p>Ethyl Alcohol (Ethanol)</p>	<p>62%</p>	<ul style="list-style-type: none"> ▶ No tested components / materials were affected by the disinfectants ▶ Most benign chemical 	<ul style="list-style-type: none"> ▶ Primary recommended disinfectant 	
<p>Hydrogen Peroxide</p>	<p>2.2%</p>	<ul style="list-style-type: none"> ▶ Isopropyl Alcohol (Isopropanol) had only some minor effects on metal hardware coating 	<ul style="list-style-type: none"> ▶ Use with caution. Percentage concentrations of both chemical agents should not be lower than or exceed the listed percentages in this row. 	<ul style="list-style-type: none"> ▶ SCREW, M4X.7, 10MM, PR, TH, BLK: Steel: Black Zinc Finish ▶ SCREW, M4X.7, 10MM, PH W/LCK & FLT WSHR: Brass with nickel plating
<p>+ Isopropyl Alcohol (Isopropanol)</p>	<p>0.5%</p>			
<p>Citric Acid</p>	<p>0.6%</p>	<ul style="list-style-type: none"> ▶ It had some minor to medium issues with metal hardware components and their coatings 	<ul style="list-style-type: none"> ▶ For use on plastics only 	<ul style="list-style-type: none"> ▶ SCREW, M4X.7, 10MM, PR, TH, BLK: Steel; Black Zinc Finish ▶ SCREW, M4X.7, 10MM, PH W/LCK & FLT WSHR: Brass with nickel plating

READY BOX[®]

DISINFECTING GUIDELINES



READY BOX® DISINFECTING GUIDELINES

 <p>CHEMICAL AGENT</p>	 <p>PERCENTAGE CONCENTRATION</p>	 <p>AGENT PRODUCT EFFECT</p>	 <p>RECOMMENDATION OF USE</p>	 <p>PRODUCT DETAILS</p>
Ethyl Alcohol (Ethanol)	62%	<ul style="list-style-type: none"> ▶ Most benign chemical ▶ No tested components/materials were affected by the disinfectants. 	<ul style="list-style-type: none"> ▶ The primary recommended disinfectant 	
Hydrogen Peroxide	2.2%	<ul style="list-style-type: none"> ▶ Minor effects on metal hardware coating 	<ul style="list-style-type: none"> ▶ Use with caution. Percentage concentrations of both chemical agents should not be lower than or exceed the listed percentages in this row. 	<ul style="list-style-type: none"> ▶ SCREW,SEM,6-32X1/4" SLOT HEX, WASHER: Zinc plated steel ▶ SCREW-THREAD FORMING 6-32 X1/2 HEX WASHER HEAD: Zinc plated steel ▶ WASHER - #8 INT. TOOTH: steel ▶ NUT-8-32X1/4 HEX: steel ▶ SCREW-8X1/2 PR TH: steel
+ Isopropyl Alcohol (Isopropanol)	0.5%			
Citric Acid	0.6%	<ul style="list-style-type: none"> ▶ Minor to medium issues with metal hardware components and their coatings 	<ul style="list-style-type: none"> ▶ For use on plastics only 	<ul style="list-style-type: none"> ▶ SCREW,SEM,6-32X1/4" SLOT HEX, WASHER: Zinc plated steel ▶ SCREW-THREAD FORMING 6-32 X1/2 HEX WASHER HEAD: Zinc plated steel ▶ WASHER - #8 INT. TOOTH: steel ▶ NUT-8-32X1/4 HEX: steel ▶ SCREW-8X1/2 PR TH: steel

LEGAL MENTIONS

The **OptiVantage®** Dual-Head CT Contrast Delivery System is a Class II Medical Device in the United States. For complete information about precautions and optimal usage conditions for this device, consult the full instructions for use supplied with each device or with your local Guerbet representative(s). Caution: US Federal Law restricts this device to sale by or on the order of a physician. OptiVantage® Dual-Head CT Contrast Delivery System is a registered trademark of Liebel-Flarsheim.

Manufacturer: Liebel-Flarsheim Company LLC

The **OptiOne®** Single-Head Contrast Media Injector is a Class II medical device intended for use by qualified healthcare professionals; it is intended to inject radiopaque contrast media into a patient's vascular system to obtain diagnostic images when used in conjunction with computed tomography (CT) equipment. For complete information about precautions and optimal usage conditions, we recommend consulting the instructions for use supplied with the device or by your local Guerbet representative(s).

Manufacturer: Liebel-Flarsheim Company LLC

The **Illumena® Néo** Contrast Delivery System is a Class II Medical Device in the United States. For complete information about precautions and optimal usage conditions for this device, consult the full instructions for use supplied with each device or with your local Guerbet representative(s). Caution: US Federal Law restricts this device to sale by or on the order of a physician.

Manufacturer: Liebel-Flarsheim Company LLC

The **OptiStar® Elite** MR Contrast Delivery System is a Class II Medical Device in the United States. For complete information about precautions and optimal usage conditions for this device, consult the full instructions for use supplied with each device or with your local Guerbet representative(s).

Manufacturer: Liebel-Flarsheim Company LLC

Ready Box® Contrast Warmer is a Class II medical device intended for use by qualified healthcare professionals to warm contrast media to approximately body temperature. For complete information about precautions and optimal usage conditions, we recommend consulting the instruction for use supplied with the device or by your local Guerbet representative(s). For use only in countries with applicable health authority registrations

Manufacturer: Liebel-Flarsheim Company LLC

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