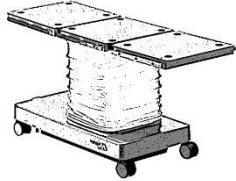
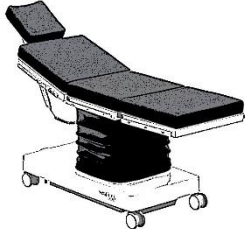


Cleaning recommendations for Novak M Operating table Y

	MATERIALS	CLEANING	DISINFECTION
CONSTRUCTION 	Powder coated steel, chrome plated steel, stainless steel	Regular cleaning is recommended. Use a soft microfiber cloth and a mixture of water and soap. Wipe dry. Use non-abrasive cleaners!	For disinfection, follow the same instructions as for the upholstery pads.
	Plastic cover	Dust and dry dirt should be removed with soft, damp cloth. Use traditional non-scouring household cleaners. Wash well afterwards and clean with a dry cloth. Do not use acetone, chemical cleaning agents, solvents and cleaning agents that are the chemical groups of ketone, ester and aromatic solvents.	
UPHOLSTERY 	Upholstery pads and column: PU - coated material 100% Polyester with moisture protection 100% Polyurethane and conductive	<p>Regular cleaning is recommended.</p> <p>To remove the dirt from the PU material, use a cloth and a mixture of soap and warm water. Rinse with clean water and let it dry off completely.</p> <p>It is recommended that blood and urine are removed immediately to avoid surface staining if left for some time before cleaning. Use paper towels, cloth and cold water.</p> <p>Do not use abrasive cleaners, solvents, acetone or acids.</p> <p>Regularly inspect the pads for any damage in PU material!</p>	<p>Always clean and dry off the pads before disinfection! It is recommended to rinse with clean water after cleaning or disinfecting.</p> <ul style="list-style-type: none"> • to prevent build-up of residual cleaning chemicals which may compromise mattress cover biocompatibility. • to prevent build-up of residual cleaning chemicals, leading to cleaning with a higher concentration than recommended and possibly damaging the cover • to prevent the formation of abrasive crystals that can abrade the product surface both in use and in subsequent cleaning <p>Alcohol, if allowed to 'pool', may result in temporary swelling of the cover making it more prone to mechanical damage.</p> <p>Disinfectants should be used as per the manufacturer's instructions. You can find a list of the recommended disinfection methods attached. Use only one disinfectant at a time!</p>

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Method	% active	pH range suitable for disinfection	Dwell time	Post application	Impact on fabric
Steam sterilization	n/a	neutral	115°C 30mins; 121°C 15mins; 126°C 10 mins; 134°C 3 mins	Dry and return to use / store	Acceptable for use. High temperatures and long dwell times can cause the fabrics to shrink. Verify compatibility with <i>entire mattress system</i> prior to use.
Dry heat	n/a	neutral	115°C 30mins; 121°C 15mins; 126°C 10 mins	Discard	Not suitable for use. Softens coating to point of failure.
Alcohol	70 typical	-	10 mins	Rinse and dry. Avoid pooling	Acceptable for use and recommended subject to precautions. Coating may swell and be prone to damage. Care must be taken until fully dry (~1hr).
Ethylene Oxide	3	-	>30 mins: temperature dependent	Toxic residue may remain. Rinse thoroughly and dry before use.	Acceptable but not recommended. Explosion and toxicity issues in handling the EtO. Residue will compromise cover biocompatibility.
Chlorine and compounds	1,000 ppm to 10,000 ppm	7-9	<10 mins: strength and microbial target dependent	Rinse and dry	Acceptable and recommended. 1,000 ppm is appropriate for day to day cleaning. Up to 10,000ppm may be used to decontaminate. Must be rinsed with clean water and towel dried (avoid harsh abrasion).
Formaldehyde	2-8	5-7	<10 mins	Rinse and dry	Not suitable for use. Personnel exposure limits apply for cleaning staff. Strong odor.
Glutaraldehyde	2	7.5-8.5	temperature dependent	Rinse and dry	Acceptable for use.
Hydrogen peroxide	3-25%	5-9	<5 mins	Neutralize and dry	Conditionally acceptable for use. Must be fully neutralized.
Iodophors	75-100 ppm	acidic	<20 mins	Neutralize and dry	Conditionally acceptable for use. Must be fully neutralized. Highly alkaline peroxide (10 and above) is not acceptable for use.
Ortho-phthalaldehyde	0.55%	7.5	5 mins	Rinse and dry	Acceptable for use with precautions. Will stain human skin
Peracetic acid	0.2-0.35	-	<20 mins	Rinse and dry	Not suitable for use.
Phenolics	2-12%	-	10 mins	Discard	Not suitable for use. Irreversible swelling of coating

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Quaternary Ammonium Compounds	3-15%	7-13	varies – refer to label guidance	Rinse and dry	Conditionally acceptable for use. Quaternary Ammonium Compounds are typically too alkaline. Quaternary solutions having a pH > 10 are not recommended. DO NOT USE QUATs (WIPES) containing sodium hydroxide (NaOH).
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Biocompatibility of conductive PU material Texmed 231AS is reported in the following reports:

Nelson Laboratories #686738 – EN 10993-5:2009 cytotoxicity, agar diffusion

Harlan Laboratories #41302713 – EN ISO 10993-10:2010 skin irritation

Harlan Laboratories #41302714 – EN ISO 10993-10:2010 skin sensitisation local lymph node assay-polar and non-polar extracts).

Disclaimer: Always follow the instructions for use of each disinfectant. Long-term use cannot exclude the possibility of material deterioration. Novak M does not accept any responsibility with regards to the disinfectant effects.

Komenda, June 2024

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