Cleaning and Disinfection – Disinfection

Your Objectives:

At the end of the lesson, you should be able to describe the distinction between disinfecting and sterilising, and to identify some different types of cleaning agents.

Further distinctions

As we learned in Lesson 15, a sterilising.	distinction need be made between cleaning, disinfecting and
Bacterial and	spores are one of the most pervasive and
	microorganisms on the .
	differ greatly in their resistance to
	agents. By definition, a
· · · · · · · · · · · · · · · · · · ·	ee of all microorganisms, including spores. This is a crucial point accutical facilities, as microbiologically clean
	and contamination procedures must be strictly followed under
federal law.	
•	technologies and chemicals that will provide disinfection and between sterilization and disinfection is an important one.
Sterilization methods require t	he of all microbial life including
their	**, while disinfection
only address	cells. Although disinfection methods may slow,
disrupt, or hinder, the prolifera sterilization and disinfection ne	tion of contaminants, they are not considered sporicidal . Hence, ed be differentiated.

Distinctions between sterilization, disinfection and sporicidal properties (as stated in the USP,* Chapter 1072)

Antiseptic—An agent that			or d	lestroys m	icroorganisr	ns on
living tissue, including skin, or	ral cavities, a	nd open wound	ds.			
Chemical		—A chemical	agent used	d on inanir	nate surface	es and
objects to destroy a	ny			fungi,	viruses,	and
	, but not	necessarily the	ir spores.			
Cleaning agent—An agent fo	or the remov	val from facilit	y and equ	ipment su	rfaces of p	oduct
	that	may inactiva	te sanitiz	zing ager	its or ha	arbour
microorganisms.						
Decontamination —The			of undesir	rable micro	oorganisms,	either
by disinfection or by sterilizat	ion.					
Disinfectant —A chemical or harmful microorganisms	physical ag		roys or re surface.	moves veg Disinfecta	-	ms of often
	as high-l	evel, intermed	liate-level	and low-le	evel, by me	dically
oriented groups, based on the	eir efficacy ag	gainst various ι	ındesirable	e microorga	inisms.	
Sanitizing agent—An agent	for reducing,	on inanimate	surfaces,	the numb	er of all for	ms of
microbial life including			,			, and
bacteria.						
Sporicidal agent—An agent t	that destroys	bacterial and	fungal spo	ores when	used in suf	ficient
concentration for a specified	contact time	e. It is designed	d to			all
vegetative microorganisms.						

Sterilant—An agent that destroys all forms of microbial life including fungi, viruses, and all
forms of bacteria and their spores. Sterilants are or vapour-
phase agents.
* USP stands for United States Pharmacopeia, a compendium of official conventions for compounding clean-rooms.
Further information here:
https://blog.gotopac.com/2018/11/07/guide-to-usp-disinfectants-sporicides/
For Newsletter:
https://www.uspnf.com/
App available for MacOSx: (4.00 CHF):
https://apps.apple.com/us/app/800-hazrx/id1287841111?ls=1
App available for Android (3.90 CHF):
https://play.google.com/store/apps/details?id=org.usp.android.HazrxApp
Additional info re. Covid-19:
https://www.uspnf.com/notices/delayed-implementation-comment-covid-response-20200327?
** The main difference between spore and endospore is that a spore is an active structure mainly produced by plants and fungi, whereas
endospores are a dormant, non-reproductive structure of bacteria.

Aufgabe Lückentext:

Folgende Wörter bitte in den Lückentext einfüllen. Jedes Wort kommt einmal vor. Bitte Gross- und Kleinbuchstaben beachten.

bacteria, categorized, disinfection, disinfection, disinfectant, elimination, environments, fungal, fungi, inhibits, infectious, kill, liquid, methods, Microorganisms, planet, residues, removal, reproductive, spores, vegetative, viruses