

# UNDERSTANDING EN 14885:2018

## APPLICATION OF EUROPEAN STANDARDS FOR CHEMICAL DISINFECTANTS AND ANTISEPTICS

All disinfectants must undergo vigorous testing regimes before commercial use as stipulated by various governing bodies worldwide.

EN 14885:2018 is the guide for chemical disinfectants and antiseptics intended for use in human medicine, veterinary or food, industrial, domestic, and institutional areas for the European market. The standards within EN 14885:2018 can support bactericidal, yeasticidal, fungicidal, virucidal, mycobactericidal, and sporicidal claims.

A disinfectant or antiseptic's efficacy claim is dependent on mandatory testing parameters such as microorganisms, contact time, interfering substance, test temperature and log reduction. An activity claim will only be permitted if testing against all mandatory parameters is successful.

JET meets the requirements of surface disinfectants with mechanical action within EN 14885:2018 and the latest published regulatory standards, as detailed in Table 1.

### JET CHECKS ALL THE BOXES:

- **Compliant with all EN standards** in the medical field for surface disinfection with mechanical action.
- Adherent to the requirement of **less than 5/15 minutes contact time** when in use near patients and/or staff.
- Sporicidal, mycobactericidal, virucidal, fungicidal and bactericidal according to EN standards.
- **One universal contact time of one minute** with one concentration. No dilution required.



TYPE OF ACTIVITY	SPORICIDAL	MYCOBACTERICIDAL/(TUBERCULOCIDAL)		VIRUCIDAL	FUNGICIDAL		YEASTICIDAL		BACTERICIDAL		
<b>EN STANDARD</b>	EN 17126*	EN 14348	EN 14563**	EN 14476	EN 13624	EN 14562**	EN 13624	EN 16615	EN 16615	EN 13727	
<b>PHASE, STEP</b>	2,1	2,1	2,2	2,1	2,1	2,2	2,1	2,2	2,2	2,1	
<b>REQUIRED ORGANISM</b>	<i>Bacillus cereus</i> <i>Bacillus subtilis</i>	<i>Mycobacterium avium</i> <i>Mycobacterium terrae</i>		Poliovirus type 1 Adenovirus type 5 Murine Norovirus (Full virucidal activity)	<i>Candida albicans</i> <i>Aspergillus brasiliensis</i>		<i>Candida albicans</i>		<i>Staphylococcus aureus</i> <i>Pseudomonas aeruginosa</i> <i>Enterococcus hirae</i>		
		<i>Mycobacterium terrae</i> (Tuberculocidal activity only)		Adenovirus type 5 Murine Norovirus (Limited viral spectrum activity)							
				Vaccinia virus							
<b>LOG REQUIREMENT</b>	≥4							≥4 (f1)	≥5 (f1)	≥5	
								≤50 cfu/25cm2 (f2 to f4)			
<b>CONTACT TIME</b>	≤ 15 MINS FOR SURFACES NEAR PATIENTS OR STAFF		≤ 5 MINS FOR SURFACES NEAR PATIENTS OR STAFF								
	≤ 60 MINS FOR OTHER SURFACES										
<small>*EN 17126:2018 is the first standard for the evaluation of sporicidal activity in the medical area. Compliance with this new test norm is mandatory by June 2020 to make sporicidal activity claims.  **According to EN 14885:2018, where no specific activity in an area exists (i.e. no mycobactericidal or fungicidal activity test norm in the medical area for surface disinfection used with mechanical action) another standard may be used.  EN 14563 and EN 14562 are for the evaluation of mycobactericidal and fungicidal activity of instrument disinfectants, respectively.</small>											

**Table 1. European regulatory compliance for surface disinfection used in the medical area with mechanical action, adapted from BS EN 14485:2018 and the latest regulatory efficacy standards published.**