1 (39)



**ECHA** 

**EUROPEAN CHEMICALS AGENCY** 

These claims matrices are a set of tables which support the Biocidal Products Regulation, Guidance on Efficacy Assessment for Product Types 1-4, Disinfectants, available in Volume II Efficacy Assessment and Evaluation (Parts B+C)<sup>1</sup>.

The claims matrices are intended to cover those biocidal products covered under the scope of Product Type 1, 2, 3 and 4

The claims matrix is a tool for the applicant and Competent Authorities. It is intended to capture the information that is needed in the authorisation dossier, to adequately describe typical combinations of products, formats of application of the products, as well as target sites. It also includes the claims made and the requirements for testing these claims (in terms of methodology and appropriate performance standards) for a product to be used in this way.

The reader should note that the matrices are not exhaustive in terms of use patterns, scenarios and test methods.

The claims matrix must be used together with the relevant sections within the efficacy guidance document so as to provide both applicants and Competent Authorities alike with clear direction as to the nature and extent of the efficacy data required to support a claimed effect. The claims matrix acts as a guide to the information required when compiling an efficacy dataset for a PT1, PT2, PT3 or PT4 biocidal product.



### NOTES to the reader:

- Each row (entry) within the matrices is not independent and can be linked to other entries.
- These matrices only address biocidal claims made for these products.
- The claim matrix will be updated regularly according to the state-of-the-art.

<sup>&</sup>lt;sup>1</sup> Volume II Efficacy Assessment and Evaluation (Parts B+C) is under development and for publication in 2016. In the meantime the Transitional Guidance on Efficacy assessment of Disinfectants PT1-5 is published on the ECHA website.



### **⚠** PROCEDURE for updating this document

This document can be updated or revised by submitting a request for review to the BPC Efficacy Working Group to the following email address: BPC-WGs@echa.europa.eu.

The request should include the following:

- Describe and explain the text to be revised giving reasons and justification for the proposed changes;
- Submit proposed revised text;
- Identify table number/name and section with page numbers of text to be reviewed and revised.

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Table 1: PT 01 Claims matrix: Hand and Skin

<b>P</b> 1	Γ 01									
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	Application type	Appropriate methodology	Appropriate performance standard relevant to target site	
	Description of product within a specific PT	Intended sector of application	Where the product is typically used	Primary objective of the product and expected result by the user	Obligatory range of targeted harmful organisms			Method how the product is applied	Types of test to be used	
H	AND									
1	Hygienic handrub	health care, domestic, institutional, veterinary, industry, food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.)	Skin of hands	Reduce risk of infection, prevent product spoilage	bactericidal plus yeasticidal	tuberculocidal (obligatory for the use in tuberculosis departments), mycobactericidal, fungicidal, limited spectrum virucidal activity or virucidal (MED area viruses for humans and veterinary area relevant viruses if used in veterinary areas)	rubbing (liquid, gel, foam, spray), wiping	suspension test (under clean conditions) + hygienic hand rub test with volunteers (with artificial contamination).	EN 14885; like application under Medical Area	
2	Surgical handrub	health care, veterinary	Skin of hands and arms	Reduce risk of infection	bactericidal plus yeasticidal	tuberculocidal, mycobactericidal, fungicidal, limited spectrum virucidal activity or virucidal (MED	rubbing (liquid, gel, foam, spray)	suspension test (under clean conditions) +surgical hand rub test with volunteers	EN 14885; like application under Medical Area	

P	Т 01									
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	Application type	Appropriate methodology	Appropriate performance standard relevant to target site	
						area viruses for humans and veterinary area relevant viruses if used in veterinary areas)		(without artificial contamination).		
3	Hygienic handwash	health care domestic, institutional, veterinary, industry, food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.)	Skin of hands	Reduce risk of infection, prevent spoilage	bactericidal plus yeasticidal	tuberculocidal (obligatory for the use in tuberculosis departments), mycobactericidal, fungicidal, limited spectrum virucidal activity or virucidal (MED area viruses for humans and veterinary area relevant viruses if used in veterinary areas)	washing (liquid, gel, foam, spray)	suspension test (under dirty conditions, if used in non- medical areas use soiling as specified for the specific purpose) + hygienic hand wash test with volunteers (with artificial contamination)	EN 14885; like application under Medical Area	
4	Surgical handwash	health care, veterinary	Skin of hands and arms	Reduce risk of infection	bactericidal plus yeasticidal	tuberculocidal, mycobactericidal, fungicidal, limited spectrum virucidal activity or virucidal (MED area viruses for humans and	washing (liquid, gel, foam, spray)	suspension tests (under dirty conditions) + surgical handwash (without artificial	EN 14885; like application under Medical Area	

P	Г 01	<b>01</b>										
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	Application type	Appropriate methodology	Appropriate performance standard relevant to target site			
						veterinary area relevant viruses if used in veterinary areas)		contamination).				
S	KIN											
1	Human skin wash, the use should be specified	health care	Human skin	Reduce risk of infection (by decolonisation)	bactericidal plus yeasticidal	tuberculocidal, mycobactericidal, fungicidal, limited spectrum virucidal activity or virucidal	washing (liquid, gel, foam, spray), wipes	suspension tests (under dirty conditions) + surgical handwash (without artificial contamination)	EN 14885 (due to lack of official guidance); application under Medical Area			

### Notes

It cannot be excluded that depending on the medical claim used and the way the product works, products may be classified as medicinal products (or medical devices).

All products can be applied under professional or non-professional use.

**Table 2: PT 02 Claims matrix: Hard Surfaces** 

	Product descriptio n type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Applicatio n type	Appropriate methodology	Appropriate performance standard relevant to
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user [Several purposes can be combined in one product]	Obligatory range of targeted harmful organisms	[and / or]	As defined by BPD (Professional/ industrial, non- professional)	Method how the product is applied [and / or]	Types of test to be used	target site
1	hard surface biocidal product	health care	hospital rooms, bathroom, operation room, laboratories, dental centres, isolation rooms	reduce risk of infection	bactericidal and yeasticidal	fungicidal virucidal sporicidal mycobacteri cidal tuberculocid al	professional	spraying, wiping, mopping, scrubbing, foaming, flooding	suspension and surface lab tests	EN 14885 (medical area) and when not applicable OECD 187 as appropriate
2	hard surface biocidal product	industry, (e.g. cosmetic, pharmaceut ical), institutions, health care facilities,	hard surfaces, eg. floors, walls, work surfaces, kitchen surfaces (excluding food contact surfaces), bathroom seats, toilet bowls (outside), outdoor surfaces	reduce risk of infection, prevention of product contaminatio n and to prevent product spoilage	bactericidal and yeasticidal	fungicidal virucidal sporicidal	professional	spraying, wiping, mopping, scrubbing, foaming, flooding	suspension and surface lab tests	EN 14885 (institutional area, domestic area, industrial area; virucidal: medical area) and when not applicable OECD 187 as appropriate
3	hard surface biocial	institutions, health care facilities,	hard surfaces, eg. kitchen surfaces (excluding food	reduce risk of infection, prevention of	bactericidal and yeasticidal	fungicidal virucidal sporicidal	professional	impregnat ed wet wipes	suspension tests + surface lab	EN 14885 (relevant area) (EN 16615

#### **PT 02 Hard Surfaces Product** Use area **Target site Purpose** Min **Additional User Type Applicatio** Appropriate **Appropriate** optional methodology spectrum of performance descriptio n type activity activity standard n type relevant to target site product industry contact surfaces). product mvcobacteri tests with surface test bathroom, hospital contaminatio cidal mechanical with mechanical rooms, dentists, n and to tuberculocid action) action , isolation rooms prevent al information product on storage spoilage after opening should be aiven, optional simulated in use testing hard institutions, surfaces, eq. anti-staining fungicidal professional EN 14885 n.a. spray, suspension surface health care bathroom surfaces and reduction wipe and surface (relevant area) facilities, and cellars, outdoor biocidal of fungal lab tests 4 product industry surfaces spores with allergenic potential hard institutions, indoor or outdoor algaecidal professional to be anti-staining, n.a. spraying, suspension health care surfaces and surface developed, field surface anti-slipping wiping, biocidal facilities, scrubbing lab test (if trial 5 demonstrating product industry available) or field trial difference before and after treatment hard Institutions surfaces, e.g. control of bacteriostat bactericidal professional suspension Bacteriostatic or spraying, fungistatic tests surface kitchen surfaces malodour ic and/ or yeasticidal wiping, lab tests and biocidal (excluding food caused by fungistatic fungicidal mopping, odour panel (arowth product contact surfaces), sporicidal scrubbing, inhibition but microorganis test, bathroom surfaces, not killing; foaming, ms flooding suspension: toilet seats,

### PT 02 Hard Surfaces

	Product descriptio n type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Applicatio n type	Appropriate methodology	Appropriate performance standard relevant to target site
			outdoor surfaces, drains, e.g. bathroom, sink plug holes							VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbiocidal tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test: applicant method
7	hard surface biocidal product	Households	household surfaces, incl. bathroom surfaces and devices for baby care and other risk groups, cellars, outdoor surfaces	reduce risk of infection	bactericidal and yeasticidal	yeasticidal fungicidal virucidal sporicidal	non- professional	Spraying, wiping, mopping, scrubbing, foaming, soaking (immersion)	suspension and surface lab tests	EN 14885 (domestic area) and when not applicable OECD 187 as appropriate
8	hard surface biocidal produc	Households	general treatment of household surfaces, incl. bathroom surfaces, cellars, outdoor surfaces	reduce risk of bacterial infection	bactericidal	yeasticidal fungicidal virucidal sporicidal	non- professional	Spraying, wiping, mopping, scrubbing, foaming, soaking (immersio	suspension and surface lab tests	EN 14885 (domestic area) and when not applicable OECD 187 as appropriate

#### **PT 02 Hard Surfaces Product** Use area **Target site Purpose** Min **Additional User Type Applicatio** Appropriate **Appropriate** spectrum of optional n type methodology performance descriptio n type activity activity standard relevant to target site n) hard households household surfaces, reduce fungal fungicidal EN 14 885 n.a. non-Spraying, suspension professional surface incl. bathroom spores with wiping, and surface (domestic surfaces and cellars biocidal allergenic mopping, lab tests area/fungicidal activity) and product potential scrubbing, foaming, when not soaking applicable OECD 187 as (immersio n) appropriate hard households household surfaces, anti-mildew, fungistatic fungicidal Spraying, EN 14 885 suspension nonsurface incl. bathroom professional and surface anti-staining, yeasticidal wiping, (domestic biocidal surfaces and cellars anti spoilage mopping, lab tests area/fungicidal activity) and product scrubbing, foaming, when not soaking applicable (immersio OECD 187 as n) appropriate, fungistatic tests 10 (growth inhibition but not killing; suspension: VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104) households indoor and/or anti-staining, algaecidal Spraying, to be hard n.a. nonsuspension 11 surface outdoor surfaces anti-slipping, professional and surface developed, field wiping,

odour panel test: applicant method

### **PT 02 Hard Surfaces Product** Use area **Target site** Purpose Min **Additional User Type Applicatio Appropriate Appropriate** performance descriptio spectrum of optional n type methodology n type activity activity standard relevant to target site biocidal anti spoilage mopping, test (if trial product scrubbing, available) or demonstrating field trial difference foaming, soaking before and after (immersio treatment n) hard Households household surfaces, control of bacteriostat bactericidal Spraying, suspension Bacteriostatic or nonsurface incl. bathroom malodour ic and/ or yeasticidal professional fungistatic tests wiping, lab tests and fungicidal biocidal surfaces, outdoor caused by fungistatic mopping, odour panel (growth inhibition but product surfaces, drains eg. microorganis scrubbing, test bathroom sink plug ms foaming, not killing; holes soaking suspension: VAH method 7; (immersio n), surface: ISO DIS 22196 or impregnat ed wet ASTM 2180 or 12 modified EN wipes 1104); for microbiocidal tests EN 14885 and when not applicable OECD 187 as appropriate;

#### **PT 02 Hard Surfaces Product** Use area **Target site** Purpose Min **Additional User Type Applicatio** Appropriate **Appropriate** spectrum of optional n type methodology performance descriptio n type activity activity standard relevant to target site hard households household surfaces, reduce risk of bactericidal fungicidal EN 14 885 nonimpregnat suspension surface incl. bathroom infection and virucidal professional ed wet tests + (domestic area; biocidal surfaces, outdoor virucidal: yeasticidal sporicidal wipes surface lab product surfaces mycobacteri tests with medical area) cidal mechanical (EN 16615 tuberculocid surface test action, al information with mechanical 13 on storage action) after opening should be given, optional simulated in use testing bactericidal virucidal EN 14885 hard veterinary prevent the professional immersion suspension surface fungicidal and surface health care transmission and (veterinary , spray or biocidal of disease area) or other veasticidal sporicidal wipe laboratory product causing mycobacteri tests with or tests as microorganis cidal without available and tuberculocid mechanical appropriate ms 14 al action. Long contact times may be applicable if equipment is treated overnight. Re Target sites: Healthcare = hospitals; when EN 14885 Healthcare facility= nursing home, patient ma methods are used in a care, dentist, doctors rks

ТО	O2 Hard Surfaces												
	Product descriptio n type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Applicatio n type	Appropriate methodology	Appropriate performance standard relevant to target site			
										different area, soiling specific to the intended use area should be employed			

**Table 3: PT 02 Claims matrix: Toilet Bowls** 

РТ	PT 02 Toilet Bowl										
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site	
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user [Several purposes can be combined in one product]	Obligatory range of targeted harmful organisms	[and / or]	As defined by BPD (Professional/ industrial, non- professional)	Method how the product is applied [and / or]	Types of test to be used		
1	biocidal product for toilets	health care, healthcare facilities, institutions	toilet bowls	reduce risk of infection	bactericid al and yeasticidal	fungicidal virucidal sporicidal	professional	spraying, wiping, mopping, scrubbing, foaming	suspension and surface lab tests	EN 14885 (Medical area) and when not applicable OECD 187 as appropriate	
2	biocidal product for toilets	Institutions	toilet bowls	control of malodour caused by microorgani sms, anti- staining	bacteriost atic	bactericidal yeasticidal fungistatic fungicidal	professional	spraying, wiping, mopping, scrubbing, foaming	suspension and surface lab tests + odour test	Bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension: DGHM method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbiocidal	

### PT 02 Toilet Bowl **Product** Use area **Target site Purpose** Min Additional **User Type Application Appropriate** Appropriate performance description spectrum optional methodology type of activity activity standard type relevant to target site tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test, stain panel test: applicant method biocidal households toilet bowls reduce risk bactericid yeasticidal EN 14 885 nonspraying, suspension product for of infection al virucidal professional wiping, and surface (domestic area, toilets mopping, lab tests virucidal: scrubbing, medical area) 3 and when not foaming, flooding applicable OECD 187 as appropriate biocidal Households toilet bowls control of bacteriost bactericidal Spraying, suspension Bacteriostatic or nonproduct for malodour professional and surface atic veastcidal wiping, fungistatic tests caused by fungistatic toilets mopping, lab tests + (growth microorgani scrubbing, inhibition but fungicidal odour test sms, antinot killing; foaming, staining flooding, suspension: 4 impregnate DGHM method d wet 7; surface: ISO DIS 22196 or wipes, block ASTM 2180 or product modified EN 1104); for microbiocidal

#### PT 02 Toilet Bowl **Product** Use area **Target site Purpose** Min **Additional User Type Application Appropriate** Appropriate description spectrum optional methodology performance type of activity activity standard type relevant to target site tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test, stain panel test: applicant method biocidal households toilet bowls reduce risk bactericid yeasticidal suspension EN 14 885 nonimpregnate product for of infection al fungicidal professional d wipes, tests + (domestic area; toilets virucidal with surface lab virucidal: sporocidal medical area) tests with mechanical mycobacteric action mechanical (EN 16615 idal surface test action, tuberculocida with mechanical information 5 action) on storage after opening should be given, optional simulated in use testing health care, toilet bowls biocidal reduce risk bactericid veasticidal nonproduct to suspension ΕN 14885(relevant product for healthcare of infection al fungicidal professional be added to tests + toilets facilities, virucidal the water surface lab area); 6 institutions, sporicidal reservoir test; concentration of households mycobacteric determinatio active in water: idal n of chemical test or tuberculocida calculation concentration

PT	02 Toilet Bo	wl								
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
						l			of the active substance in the reservoir before, in between and after flushing	
7	biocidal product for toilets	households	toilet bowls	reduce risk of infection	bactericid al	yeasticidal fungicidal virucidal sporicidal mycobacteric idal tuberculocida I	non- professional	product is a block that is hanging in the toilet bowl and releases active substance during each flush	suspension tests + surface lab test; determinatio n of concentration of the active substance in the resevoir before, in between and after flushing	EN 14885 (domestic); concentration of active in water: chemical test or calculation
R e m ar k s	Target sites: Healthcare= hospitals; Healthcare facility= nursing home, patient care, dentist, doctors									when EN 14885 methods are used in a different area, soiling specific to the intended use area should be employed

Table 4: PT 02 Claims matrix: Laundry and Soft Furnishings

	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user [Several purposes can be combined in one product]	Obligatory range of targeted harmful organisms	[and / or]	As defined by BPD (Professional/ industrial, non- professional)	Method how the product is applied [and / or]	Types of test to be used	
LA	UNDRY									
1	Laundry biocidal product	healthcare and healthcare facilities, institutions	linen and textiles, mops, sponges, cleaning cloths	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal sporicidal mycobactericid al tuberculocidal	professional	pre-wash soaking	suspension test	EN 14885
2	Laundry biocidal product	healthcare and healthcare facilities, institutional	linen and textiles, mops, sponges, cleaning cloths	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal sporicidal mycobactericid al tuberculocidal	professional	machine soaking (main wash cycle)	suspension test and machine test	EN 14885 incl. machine test (EN 16616)
3	Laundry biocidal product	household	linen and textiles, mops, sponges, cleaning cloths	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal	non- professional	hand soaking	suspension test and soft surface test	EN 14885, suspension test plus ASTM E2406 or ASTM E2274

### **PT 02 Laundry and Soft Furnishings**

	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
										(modified to be performed in static conditions, e. g. without moving the spindle)
4	Laundry biocidal product	household	linen and textiles, mops, sponges, cleaning cloths	reducing risk of infection	bactericidal and yeasticidal	fungicidal, virucidal	non- professional	machine soaking, (main wash cycle or last rinse)	suspension test and machine test; suspension and (soft) surfaces test for last rinse	EN 14885 incl. machine test (prEN 16616) or suspension test plus ASTM E2406 or ASTM E2274 (modified to be performed in static conditions, e. g. without moving the spindle) (last rinse)
5	Laundry biocidal product	household	linen and textiles, mops, sponges, cleaning cloths,	control of malodour caused by microorgani sms; or anti-mildew	bacteriostati c or fungistatic	yeasticidal bactericidal fungicidal	non- professional	hand soaking, machine soaking (main wash cycle	suspension test and machine test; suspension and (soft)	Bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension:

	02 Laundry and	Soft Fulfillsiii	ngs							
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
			shower curtains	(anti- staining)				or last rinse)	surfaces test for last rinse; odour test	VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbiocidal tests EN 14885; odour panel test: applicant method
SC	OFT FURNISHINGS	•								
1	soft furnishings and fabrics biocidal products	health care and health care facilities and institutions	matrass, non- removable soft furnishings, upholstery, carpets	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal mycobactericida	professional	wiping, scrubbing, spraying, foaming, soaking	suspension and (soft)surface test with mechanical action (if appropriate)	EN14885 for suspension test, Modification of the AOAC Germicidal Spray Products Test method (961.02). (recognised test standard in accordance to U.S. EPA Pesticide

### PT 02 Laundry and Soft Furnishings

	Product description type	Use area	Target site	Purpose		Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
										Assessment Guidelines Subdivision G, Series 91- 52 (b) (1)).
2	soft furnishings and fabrics biocidal products	household	mattress, soft furnishings, upholstery, carpets	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal mycobactericida	non- professional	Wiping, scrubbing, spraying, foaming, soaking	suspension and (soft)surface test with mechanical action (if appropriate)	EN14885 for suspension test, surface test on suitable fabric
3	soft furnishings and fabrics biocidal products	household	mattress, soft furnishings, upholstery, carpets	control of malodour caused by microorgani sms, or anti- mildew (anti- staining)	bacteriostatic or fungistatic	bactericidal fungicidal	non- professional	Wiping, scrubbing, spraying, foaming, soaking	suspension and (soft)surface test with mechanical action (if appropriate)	for -static tests: variations of JIS L 1902 or ISO 20743 (antimicrobial fabric tests). show growth prevention but not killing); for -cidal tests: see above
	Target sites: Healt Healthcare facility care, dentist, doct	= nursing hon								when EN 14885 methods are used in a different

PT	02 Laundry and	Soft Furnish	ings							
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
										area, soiling specific to the intended use area should be employed

Table 5: PT 02 Claims matrix: Equipment by immersion

ı	PT 02 Equipment									
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user [Several purposes can be combined in one product]	Obligatory range of targeted harmful organisms	[and / or]	As defined by BPD (Professional/ industrial, non- professional)	Method how the product is applied [and / or]	Types of test to be used	
1	biocidal product for equipment and tool disinfection by immersion	healthcare, healthcare facilities, institutions, nurseries, industry, household, fire brigades, mine rescue	equipment, including cleaning equipment (e.g. mops, cleaning towels)	reducing risk of infection	bactericidal, yeasticidal	fungicidal, virucidal, tuberculocidal, mycobactericidal	professional/ non- professional	immersion	suspension test and immersion test (longer contact time than 1 hr possible) - clean (e.g. cleaning equipment) or dirty conditions	suspension test and carrier test according to EN14885, contact time may be extended
2	biocidal product for equipment and tool disinfection by immersion	healthcare, healthcare facilities, institutions, nurseries, industry, household	cleaning equipment (e.g. mops, cleaning towels) following the cleaning	control of malodour caused by microorgani sms, anti- staining, (incl. long-	bacteriostatic	bactericidal yeastistatic /- cidal, fungistatic/-cidal	professional/ non- professional	immersion, last rinse	suspension test and immersion test (longer contact time than 1 hr is possible), -	Bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension: VAH method

PT	02 Equipment									
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
			procedure	term wet storage)					clean conditions and odour test	7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbiocidal tests EN 14885; odour panel test: applicant method
R e m ar k s	Target sites: Healt Healthcare facility: care, dentist, doct	= nursing hom								when EN 14885 methods are used in a different area, soiling specific to the intended use area should be employed

Table 6: PT 02 Claims matrix: Swimming Pools

	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user [Several purposes can be combined in one product]	Obligatory range of targeted harmful organisms	[and / or]	As defined by BPD (Professional/ industrial, non- professional)	Method how the product is applied [and / or]	Types of test to be used	
1	swimming pool biocidal product	domestic, public and institution al, such as sports centres, health clubs, hotels	water in swimming and spa pools	reduce risk of infection	bactericidal and virucidal	protozoacidal and/or yeasticidal and/or fungicidal and/or algaecidal and/or Legionella	non- professional, professional	automatic dispensing, pouring of solution, dissolution of tablet / powder, broadcasti ng	suspension test, simulated- use test and field trial	OECD guidance document (part 1 could be replaced by equivalent tests of EN 14885 (2/1), for Legionella also EN13623 can be used
2	swimming pool biocidal product, health clubs, hotels	domestic, public and institution al, such as sports centres,	water in swimming pools	aesthetic	algaecidal	n.a.	non- professional, professional	automatic dispensing, pouring of solution, dissolution of tablet /	Suspension test, field trial	OECD guidance document

PT 02 Swi	imming Pools									
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
		health clubs, hotel						powder, broadcasti ng		
3	swimming pool biocidal product	domestic, public and institution al, such as sports centres, health clubs, hotels	visible surfaces swimming and spa pools	aesthetic, reduce risk of infection, reduce risks of slipping	algaecidal	virucidal and/or protozoacidal and/or yeasticidal and/or fungicidal	non- professional, professional	automatic dispensing, pouring of solution, dissolution of tablet / powder, wiping or brushing of surfaces	suspension and surface tests, and field trial	OECD guidance document and EN14885, institutional surface disinfection methods and when not applicable OECD 187 as appropriate
4	swimming pool biocidal product	domestic, public and institution al, such as sports centres, health clubs, hotels	pipework, filters and filter media in swimming pools and spa pools	remove biofilms, maintain flow, reduce risk of infection, reduce odour	bactericidal, fungicidal	n.a.	non- professional, professional	pouring of solution, dissolution of tablet / powder, soaking, brushing	Suspension test, surface test, field trial	EN14885, institutional surface disinfection methods, and biofilm test

### Notes:

In some cases EN14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

When in this table it is referred to OECD guidance document, this means: OECD 170-Oct. 2012 "Guidance document for demonstrating efficacy of pool and spa disinfectants in laboratory and field testing".

Table 7: PT 03 Claims matrix: Veterinary Hygiene

I	PT (	03 Veterinar	y Hygiene								
		Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
		Description of product within the specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user	Obligatory range of targeted harmful organisms		As defined by BPR (Professional/ industrial, non- professional)	Method how the product is applied	Types of test to be used	
		Hard Surface Disinfectant	Animal husbandry	Animal houses, market pens, equipment, slaughterhouses (live animal end), etc. Also including equipment used in poultry houses, pig and sheep pens, stables, milking parlours and in aquaculture.	Prevent the transmission of disease causing microorganisms.	Bactericidal and yeasticidal	Virucidal and/or fungicidal and/or yeasticidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal and/or protozoacidal and/or endoparasiticidal.	Professional	Spraying using low pressure application, misting or fogging, foaming, immersion with or without mechanical action	Suspension and surface laboratory tests with or without mechanical action. Long contact times may be appropriate where equipment is immersed or surfaces are left to dry at ambient temperatures.	EN 14885 (veterinary area), or other tests as available and appropriate.
:	2			Animal houses, market pens, equipment, slaughterhouses (live animal end), etc in an							

PT	03 Veterinar	y Hygiene								
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
			emergency such as an outbreak of an exotic disease.							
3	Hard Surface Disinfectant	Livestock transportation vehicles	Transportation vehicles, inside and out and including tyres.	Prevent the transmission of disease causing microorganisms.	Bactericidal, yeasticidal, and virucidal	Fungicidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal and/or protozoacidal and/or endoparasiticidal.	Professional	Spraying using low pressure application, misting or fogging, foaming, immersion with or without mechanical action	Suspension and surface laboratory tests with or without mechanical action. Short contact times may be applicable for tyre disinfection	EN 14885 (veterinary area,) or other tests as available and appropriate
4	Hard Surface Disinfectant	Veterinary health care	Veterinary clinics, veterinary testing laboratories and associated equipment.	Prevent the transmission of disease causing microorganisms.	Bactericidal and yeasticidal.	Fungicidal and/or virucidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal	Professional	Immersion, spray or wipe	Suspension and surface laboratory tests with or without mechanical action. Long contact times may be applicable if equipment is treated overnight.	EN 14885 (veterinary area) or other tests as available and appropriate;
			Veterinary							

PT	03 Veterinar	y Hygiene								
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
			clinics, veterinary testing laboratories and associated equipment in an emergency such as an outbreak of an exotic disease.							
6										
7	Hard Surface Disinfectant	Animal husbandry	Boots and other personal protective equipment.	Prevent the transmission of disease causing microorganisms.	Bactericidal and yeasticidal.	Fungicidal and/or virucidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal	Professional	Immersion, spraying or brushing	Suspension and surface laboratory tests with or without mechanical action. Short contact times may be applicable.	EN 14885 (veterinary area) or other tests as available and appropriate;
8										
9	Hard Surface Disinfectant	Companion animals	Animal housing (such as kennels, hutches and cages)and associated equipment.	Prevent the transmission of disease causing microorganisms.	Bactericidal and yeasticidal	Fungicidal and/or virucidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal	Non- professional	Spray, wipe or immersion	Suspension and surface laboratory tests with or without mechanical action	EN 14885 (veterinary area) or other tests as available and appropriate

PT (	03 Veterinar	y Hygiene								
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
10	Teat Disinfectant	Animal husbandry	Pre-milking and post-milking udder and teat disinfection	Prevent the transmission of disease causing microorganisms and/or prevent spoilage of milk.	Bactericidal and yeasticidal	Virucidal and/or bacteriophagicidal and/or algaecidal	Professional	Dipping, spray, foam or wipe	Suspension and surface laboratory tests with or without mechanical action. Short contact times are applicable for premilking disinfection.	EN 14885 (veterinary area) with teat dip requirements or other tests as available and appropriate.
11	Animal Foot and Hoof Disinfectant	Animal husbandry	Disinfection of animals' feet.	Prevent the transmission of disease causing microorganisms.	Bactericidal	Fungicidal and/or virucidal and/or yeasticidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal	Professional	Immersion, spray, foam	Suspension and porous surface laboratory tests without mechanical action. Short contact times may be applicable.	EN 14885 (veterinary area) or other tests as available and appropriate.
12	Skin disinfectant	Animal husbandry and companion animals	Disinfection of animals' skin.	Prevent the transmission of disease causing microorganisms.	Bactericidal and fungicidal	Virucidal	Professional or non- professional	Wiping	Suspension and surface laboratory tests with mechanical action	Tests as available and appropriate - could include EN 14885 (veterinary area) with teat dip

#### PT 03 Veterinary Hygiene **Product** Use area **Target site Purpose** Min Additional **User Type Appropriate Application Appropriate** spectrum of optional activity methodology performance description type activity standard type relevant to target site requirements or a modified version of this 13 Egg Hatcheries Poultry and fish Prevent the Bactericidal Virucidal Professional Airborne Suspension EN 14885 Disinfectant transmission of and fumigation, and surface (veterinary eggs disease causing fungicidal laboratory area) or spray / microorganisms. tests without mist or other tests immersion. mechanical as available action and appropriate 14 **Beehive** Bee hives Bee hives and Prevent the Bactericidal Fungicidal and/or Professional Spray, FN 14885 Suspension Disinfectant associated transmission of virucidal and/or and surface and and non immersion, (veterinary equipment disease causing sporicidal yeasticidal and/or professional fumigation, laboratory area) microorganisms. protozoacidal wiping tests without modified if and/or or without required or endoparasiticidal mechanical other tests action as available and appropriate 15 Manure Animal Prevent the Bactericidal Virucidal and/or Professional Mixing Suspension Manure and Tests as available and (solid and husbandry litter transmission of fungicidal and/or and non and surface liquid) and and yeasticidal and/or professional laboratory appropriate disease causing Litter sporicidal and/or tests without or simulated companion microorganisms. Disinfectant animals mycobactericidal mechanical in use test? and/or action or field tuberculocidal tests and/or protozoacidal and/or

PT	03 Veterinar	y Hygiene								
	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
						endoparasiticidal and/or specific organisms of concern				

Table 8: PT 04 Claims matrix: Disinfection in Food and Feed Industry

	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
	Description of product within a specific PT:	Intended sector of application:	Where the product is typically used:	Primary objective of the product and expected result by the user	Obligatory range of targeted harmful organisms		Method how the product is applied	Types of test to be used		Description o product withi a specific PT:
1	hard surface disinfection (terminal disinfection after cleaning)	dairy, non-alcoholic beverages, alcoholic beverages (e.g. breweries), processed food (meat, deli, vegetables, fruits etc.), food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.), pharmaceutical, cosmetic	transport, filling or packaging machines, general equipment, tables, floors, walls, ceilings	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagicidal (dairy), virucidal, sporicidal, biofilms		spraying, wiping, foaming	Suspension and surface test at low soiling (terminal disinfection)  For claims against biofilms a simulated-use test or field test has to be provided in addition to a suspension test	EN 14885; like application under food, industrial, domestic and institutional areas. Use appropriate soiling which is relevant for claimed Industry sector.

#### PT 04 Disinfection in Food and Feed Industry **Product** Use area **Target site Additional User Type Application Purpose** Min **Appropriate Appropriate** methodology spectrum of optional description type performance activity activity standard type relevant to target site dairy, nonfungicidal hard general prevention spraying, suspension EN 14885: surface alcoholic of product (moulds) and surface like equipment, wiping, disinfection tables, floors, test at low beverages, and foaming application (terminal alcoholic walls, ceilings surface soiling under food, (terminal disinfection beverages (e.g. spoilage industrial, after breweries), and disinfection) domestic processed food reduce and cleaning) (meat, deli, risk of institutional vegetables, infection areas. Use fruits etc.), of humans appropriate food against soiling moulds which is preparation and handling (fungi) relevant for claimed (kitchen, restaurants, Industry grocery shops, sector. butcher etc.), pharmaceutical, cosmetic hard dairy, nontransport, prevention bactericidal, fungicidal, spraying, Suspension EN 14885; surface alcoholic of product phagicidal and surface like filling or veasticidal wiping, disinfection beverages. packaging spoilage (dairy), foaming test at high application (disinfection alcoholic machines, and virucidal, soiling (use under food, in the beverages (e.g. general reduce sporicidal, appropriate industrial, risk of biofilms presence of breweries), equipment, soiling which domestic soil) processed food tables, floors, infection is relevant for and (meat, deli, walls, ceilings of humans claimed institutional vegetables, Industry areas. Use fruits etc.), appropriate sector). food soiling preparation and For claims which is

### PT 04 Disinfection in Food and Feed Industry Product Use area **Target site Purpose** Min **Additional User Type Application Appropriate Appropriate** description spectrum of optional type methodology performance activity activity standard type relevant to target site handling relevant for against (kitchen, biofilms claimed restaurants, suspension Industry grocery shops, test and sector. butcher etc.), simulated use pharmaceutical, or field test cosmetic phase 2, step 1 (suspension testing) and phase 2, step 2 (surface testing) at high soil (use appropriate soiling which is relevant for claimed Industry sector). For claims against biofilms a simulated-use test or field test has to be provided in addition to a phase 2, step 1 test fungicidal, hard dairy, nonprevention bactericidal, airborne Suspension EN 14885; transport, surface alcoholic filling or phagicidal diffusion, and surface like of product veasticidal packaging disinfection spoilage (dairy), aerosol, test simulating application beverages,

#### PT 04 Disinfection in Food and Feed Industry **Product** Use area **Target site Purpose** Min **Additional User Type Application Appropriate Appropriate** spectrum of methodology optional performance description type activity activity standard type relevant to target site virucidal, intended use by fogging, alcoholic machines, and smoke, under food, aerosol or beverages (e.g. general reduce sporicidal industrial, vapour, breweries), risk of domestic vapour equipment, fogging processed food tables, floors, infection and (meat, deli, walls, ceilings of humans institutional vegetables, areas. Use fruits etc.), appropriate food soilina preparation and which is handling relevant for claimed (kitchen, Industry restaurants, grocery shops, sector. butcher etc.), pharmaceutical, cosmetic CIP CIP fungicidal, EN 14885; dairy, nonpipes, tanks, prevention bactericidal, suspension (cleaning in alcoholic fillers, mixer, of product veasticidal phagicidal testing at low like (dairy), place) beverages, other spoilage soiling application disinfection alcoholic machine and virucidal, (terminal under food, (terminal beverages (e.g. which come reduce sporicidal, disinfection). industrial, disinfection breweries), into contact risk of biofilms domestic after processed food with food infection For claims and cleaning) (meat, deli, of humans against institutional vegetables, biofilms a areas. Use fruits etc.), simulated-use appropriate test or field soiling food preparation and test has to be which is handling provided in relevant for addition to a claimed (kitchen, Industry restaurants, suspension

(kitchen,

cosmetic

dairy, non-

beverages,

breweries),

beverages (e.g.

alcoholic

alcoholic

soaking

disinfection

restaurants, grocery shops,

butcher etc.),

pharmaceutical,

dishes,

cutlery,

small

equipment,

machinery,

machine

simulated-use test or field

test has to be

provided in

suspension test

suspension

and surface

test at low

soiling when

treated items

prior to soak

soaking

(manually)

addition to a

EN 14885;

application

under food,

industrial,

domestic

like

#### PT 04 Disinfection in Food and Feed Industry **Product** Use area **Target site Purpose** Min **Additional User Type Application Appropriate Appropriate** spectrum of optional methodology performance description type activity activity standard type relevant to target site grocery shops, test sector. butcher etc.), pharmaceutical, cosmetic CIP CIP 6 dairy, nonfungicidal, EN 14885; pipes, tanks, prevention bactericidal, suspension (cleaning in alcoholic fillers, mixer, of product veasticidal phagicidal test at high like place= beverages, other spoilage (dairy), application soiling (use virucidal, disinfectant alcoholic machine and appropriate under food, industrial, (disinfection beverages (e.g. which come reduce sporicidal, soiling which in the risk of biofilms is relevant for domestic breweries), into contact presence of processed food with food infection claimed and soil) (meat, deli, of humans Industry institutional vegetables, sector). areas fruits etc.), For claims food preparation and against biofilms a handling

bactericidal,

veasticidal

prevention

of product

spoilage

reduce

risk of

and

fungicidal,

phagicidal

(dairy),

virucidal,

biofilms

sporicidal,

### **PT 04 Disinfection in Food and Feed Industry**

	Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
		processed food (meat, deli, vegetables, fruits etc.), food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.), pharmaceutical, cosmetic	items, crates, boxes,	infection of humans					were cleaned and at high soiling for items to be soaked in presence of soil. For claims against biofilms a simulated-use test or field test has to be provided in addition to a suspension test	and institutional areas. Use appropriate soiling which is relevant for claimed Industry sector.
8	disinfection in washing machines	dairy, non- alcoholic beverages, alcoholic beverages (e.g. breweries), processed food (meat, deli, vegetables, fruits etc.), food preparation and handling (kitchen, restaurants,	dishes, cutlery, equipment, small machinery, machine items, crates, boxes	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagicidal (dairy), virucidal, sporicidal		spraying, soaking (automatically)	suspension and surface at low soiling when treated items pior to soak were cleaned and at high soiling for items to be soaked in presence of soiling. In addition to suspension test a test	EN 14885; like application under food, industrial, domestic and institutional areas. Use appropriate soiling which is relevant for claimed Industry

#### PT 04 Disinfection in Food and Feed Industry **Product** Use area **Target site Purpose** Min **Additional User Type Application Appropriate** Appropriate spectrum of optional methodology performance description type activity activity standard type relevant to target site grocery shops, under sector. butcher etc.), simulated use pharmaceutical, conditions or a cosmetic phase 3 test is recommended. bactericidal Legionella, CIP, stand disinfection dairy, nondrinkina prevention suspension EN 14885; of inner alcoholic water of product yeasticidal, disinfection test at low like virucidal, surfaces in beverages, spoilage soiling application systems (terminal human alcoholic and sporicidal, under food, drinking reduce biofilms disinfection industrial, beverages (e.g. water breweries), risk of after domestic processed food infection cleaning). A and systems (meat, deli, of humans test under institutional areas. Use vegetables, simulated use fruits etc.), conditions or appropriate food phase 3 is soiling required for which is preparation and handling claims against relevant for Legionella and claimed (kitchen, restaurants, in case of Industry grocery shops, biofilms it is sector. butcher etc.), recommended pharmaceutical, cosmetic, homes, apartment buildings, hotels etc. CIP, stand 10 disinfection veterinary animal prevention bactericidal yeasticidal, suspension EN 14885; of inner industry, dairy drinking virucidal, disinfection test at low like and

Product description type	Use area	Target site	Purpose	Min spectrum of activity	Additional optional activity	User Type	Application type	Appropriate methodology	Appropr perform standard relevant target si
surfaces in veterinary water systems	farms, animal farms, animal houses, stables, bio- industry	water systems, water systems to prepare feed; tanks, pipes	reduce risk of infection of animals		sporicidal, biofilms			soiling (terminal disinfection after cleaning). A test under simulated use conditions or phase 3 is recommended for claims against biofilms	applicat under for industria domesti and institution areas