

## Claims Matrices

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 claims matrix will be updated regularly according to the state-of-the-art.
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 **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](mailto: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>PT 01</b>										
	<b>Product description type</b>	<b>Use area</b>	<b>Target site</b>	<b>Purpose</b>	<b>Min spectrum of activity</b>	<b>Additional optional activity</b>	<b>Application type</b>	<b>Appropriate methodology</b>	<b>Appropriate performance standard relevant to target site</b>	
	<i>Description of product within a specific PT</i>	<i>Intended sector of application</i>	<i>Where the product is typically used</i>	<i>Primary objective of the product and expected result by the user</i>	<i>Obligatory range of targeted harmful organisms</i>			<i>Method how the product is applied</i>	<i>Types of test to be used</i>	
<b>HAND</b>										
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 (medical 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	rubbing (liquid, foam, spray)	suspension test (under clean conditions) + surgical hand rub test with	EN 14885; like application under medical area	

PT 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	
						or virucidal (medical area viruses for humans and veterinary area relevant viruses if used in veterinary areas)		volunteers (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 (medical 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	washing (liquid, gel, foam, spray)	suspension tests (under dirty conditions) + surgical	EN 14885; like application under medical area	

<b>PT 01</b>										
	<b>Product description type</b>	<b>Use area</b>	<b>Target site</b>	<b>Purpose</b>	<b>Min spectrum of activity</b>	<b>Additional optional activity</b>	<b>Application type</b>	<b>Appropriate methodology</b>	<b>Appropriate performance standard relevant to target site</b>	
						or virucidal (medical area viruses for humans and veterinary area relevant viruses if used in veterinary areas)		handwash (without artificial contamination)		
<b>SKIN</b>										
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

PT 02 Hard Surfaces										
	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	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 mycobactericidal tuberculo-cidal	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, pharmaceutical), institutions, health care facilities	hard surfaces, e.g. floors, walls, work surfaces, kitchen surfaces (excluding food contact surfaces), bathroom seats, toilet bowls (outside), outdoor surfaces	reduce risk of infection, prevention of product contamination 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 biocidal	institutions, health care facilities,	hard surfaces, e.g. kitchen surfaces (excluding food	reduce risk of infection, prevention of	bactericidal and yeasticidal	fungicidal virucidal sporicidal	professional	impregnated wet wipes	suspension tests + surface lab	EN 14885 (relevant area) (EN 16615)

PT 02 Hard Surfaces										
	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
	product	industry	contact surfaces), bathroom, hospital rooms, dentists, isolation rooms	product contamination and to prevent product spoilage		mycobactericidal tuberculo-cidal			tests with mechanical action, information on storage after opening should be given, optional simulated in use testing	surface test with mechanical action)
4	Hard surface biocidal product	institutions, health care facilities, industry	surfaces, e.g. bathroom surfaces and cellars, outdoor surfaces	anti-staining and reduction of fungal spores with allergenic potential	fungicidal	n.a.	professional	spray, wipe	suspension and surface lab tests	EN 14885 (relevant area)
5	Hard surface biocidal product	institutions, health care facilities, industry	indoor or outdoor surfaces	anti-staining, anti-slipping	algaecidal	n.a.	professional	spraying, wiping, scrubbing	suspension and surface lab test (if available) or field trial	to be developed, field trial demonstrating difference before and after treatment
6	Hard surface biocidal product	institutions	surfaces, e.g. kitchen surfaces (excluding food contact surfaces), bathroom surfaces, toilet seats, outdoor surfaces, drains, e.g. bathroom, sink plug	control of malodour caused by micro-organisms	bacterio-static and/ or fungistatic	bactericidal yeastocidal fungicidal sporicidal	professional	spraying, wiping, mopping, scrubbing, foaming, flooding	suspension lab tests and odour panel test	bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension: VAH method 7; surface: ISO DIS

PT 02 Hard Surfaces										
	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
			holes							22196 or ASTM 2180 or modified EN 1104); for microbicidal tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test: applicant method
7	Hard surface biocidal product	households	household surfaces, including 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 product	households	general treatment of household surfaces, including bathroom surfaces, cellars, outdoor surfaces	reduce risk of bacterial infection	bactericidal	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
9	Hard surface biocidal product	households	household surfaces, including bathroom surfaces and cellars	reduce fungal spores with allergenic potential	fungicidal	n.a.	non-professional	spraying, wiping, mopping, scrubbing, foaming, soaking	suspension and surface lab tests	EN 14885 (domestic area/fungicidal activity) and when not applicable OECD



PT 02 Hard Surfaces										
	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
								(immersion)		187 as appropriate
10	Hard surface biocidal product	households	household surfaces, incl. bathroom surfaces and cellars	anti-mildew, anti-staining, anti spoilage	fungistatic	fungicidal yeasticidal	non-professional	spraying, wiping, mopping, scrubbing, foaming, soaking (immersion)	suspension and surface lab tests	EN 14885 (domestic area/fungicidal activity) and when not applicable OECD 187 as appropriate, fungistatic tests (growth inhibition but not killing; suspension: VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104)
11	Hard surface biocidal product	households	indoor and/or outdoor surfaces	anti-staining, anti-slipping, anti spoilage	algaecidal	n.a.	non-professional	spraying, wiping, mopping, scrubbing, foaming, soaking (immersion)	suspension and surface test (if available) or field trial	to be developed, field trial demonstrating difference before and after treatment
12	Hard surface biocidal product	households	household surfaces, incl. bathroom surfaces, outdoor surfaces, drains e.g.	control of malodour caused by micro-	bacterio-static and/ or fungistatic	bactericidal yeasticidal fungicidal	non-professional	spraying, wiping, mopping, scrubbing,	suspension lab tests and odour panel test	bacteriostatic or fungistatic tests (growth inhibition but not

PT 02 Hard Surfaces										
	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
			bathroom sink plug holes	organisms				foaming, soaking (immersion), impregnated wet wipes		killing; suspension: VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbicidal tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test: applicant method
13	Hard surface biocidal product	households	household surfaces, incl. bathroom surfaces, outdoor surfaces	reduce risk of infection	bactericidal and yeasticidal	fungicidal virucidal sporicidal mycobactericidal tuberculocidal	non-professional	impregnated wet wipes	suspension tests + surface lab tests with mechanical action , information on storage after opening should be given, optional simulated in use testing	EN 14885 (domestic area; virucidal: medical area) (EN 16615 surface test with mechanical action)

PT 02 Hard Surfaces										
	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
14	Hard surface biocidal product	veterinary health care		prevent the transmission of disease causing micro-organisms	bactericidal and yeasticidal	virucidal fungicidal sporicidal mycobactericidal tuberculo-cidal	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
Remarks	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

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

Table 3: PT 02 Claims matrix: Toilet Bowls

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
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user [Several purposes can be combined in one product]</i>	<i>Obligatory range of targeted harmful organisms</i>	<i>[and / or]</i>	<i>As defined by BPD (Professional/ industrial, non-professional)</i>	<i>Method how the product is applied [and / or]</i>	<i>Types of test to be used</i>	
1	Biocidal product for toilets	health care, healthcare facilities, institutions	toilet bowls	reduce risk of infection	bactericidal 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 micro-organisms, anti-staining	bacterio-static	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 microbicidal

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
										tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test, stain panel test; applicant method
3	Biocidal product for toilets	households	toilet bowls	reduce risk of infection	bactericidal	yeastocidal virucidal	non-professional	spraying, wiping, mopping, scrubbing, foaming, flooding	suspension and surface lab tests	EN 14885 (domestic area, virucidal: medical area) and when not applicable OECD 187 as appropriate
4	Biocidal product for toilets	households	toilet bowls	control of malodour caused by micro-organisms, anti-staining	bacterio-static	bactericidal yeastocidal fungistatic fungicidal	non-professional	spraying, wiping, mopping, scrubbing, foaming, flooding, impregnated wet wipes, block product	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 microbicidal

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
										tests EN 14885 and when not applicable OECD 187 as appropriate; odour panel test, stain panel test; applicant method
5	Biocidal product for toilets	households	toilet bowls	reduce risk of infection	bactericidal	yeasticidal fungicidal virucidal sporicidal mycobactericidal tuberculo- cidal	non-professional	impregnated wipes, with mechanical action	suspension tests + surface lab tests with mechanical action , information on storage after opening should be given, optional simulated in use testing	EN 14885 (domestic area; virucidal: medical area) (EN 16615 surface test with mechanical action)
6	Biocidal product for toilets	health care, healthcare facilities, institutions, households	toilet bowls	reduce risk of infection	bactericidal	yeasticidal fungicidal virucidal sporicidal mycobactericidal tuberculo-	non-professional	product to be added to the water reservoir	suspension tests + surface lab test; determination of concentration	EN 14885 (relevant area); concentration of active in water: chemical test or calculation

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
						cidal			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	bactericidal	yeastocidal fungicidal virucidal sporicidal mycobactericidal tuberculocidal	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; determination of concentration of the active substance in the reservoir before, in between and after flushing	EN 14885 (domestic); concentration of active in water: chemical test or calculation
Remarks	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

**Note:** In some cases EN 14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

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

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
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user [Several purposes can be combined in one product]</i>	<i>Obligatory range of targeted harmful organisms</i>	<i>[and / or]</i>	<i>As defined by BPD (Professional/ industrial, non-professional)</i>	<i>Method how the product is applied [and / or]</i>	<i>Types of test to be used</i>	
LAUNDRY										
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 mycobactericidal 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 mycobactericidal 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	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
			cloths							(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 including machine test (EN 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, shower curtains	control of malodour caused by microorganisms; or anti-mildew (anti-staining)	bacteriostatic or fungistatic	yeasticidal bactericidal fungicidal	non-professional	hand soaking, machine soaking (main wash cycle or last rinse)	suspension test and machine test; suspension and (soft) surfaces test for last rinse;	bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension: VAH method 7;

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
									odour test	surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbicidal tests EN 14885; odour panel test: applicant method
SOFT FURNISHINGS										
1	Soft furnishings and fabrics biocidal products	health care and health care facilities and institutions	mattress, non-removable soft furnishings, upholstery, carpets	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal mycobactericidal	professional	wiping, scrubbing, spraying, foaming, soaking	suspension and (soft)surface test with mechanical action (if appropriate)	EN 14885 for suspension test, Modification of the AOAC Germicidal Spray Products Test method (961.02). (recognised test standard in accordance to U.S. EPA Pesticide Assessment Guidelines Subdivision G, Series 91-52

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
										(b) (1)).
2	Soft furnishings and fabrics biocidal products	household	mattress, soft furnishings, upholstery, carpets	reducing risk of infection	bactericidal and yeasticidal	fungicidal virucidal mycobactericidal	non-professional	wiping, scrubbing, spraying, foaming, soaking	suspension and (soft)surface test with mechanical action (if appropriate)	EN 14885 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 microorganisms, 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
Remarks	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

**Note:** In some cases EN 14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

**Table 5: PT 02 Claims matrix: Equipment by immersion**

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
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user [Several purposes can be combined in one product]</i>	<i>Obligatory range of targeted harmful organisms</i>	<i>[and / or]</i>	<i>As defined by BPD (Professional/ industrial, non-professional)</i>	<i>Method how the product is applied [and / or]</i>	<i>Types of test to be used</i>	
1	Biocidal product for equipment and tool disinfection by immersion	healthcare, healthcare facilities, nurseries,	equipment, including cleaning equipment (e.g. mops, cleaning towels)	reducing risk of infection	bactericidal, yeasticidal, virucidal	fungicidal, 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 EN 14885, contact time may be extended
2	Biocidal product for equipment and tool disinfection by immersion	Industry, institutions, 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.	suspension test and carrier test according to EN 14885, contact time may be extended

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
									cleaning equipment) or dirty conditions	
3	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 procedure	control of malodour caused by microorganisms, anti-staining, (including long-term wet storage)	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), - clean conditions and odour test	Bacteriostatic or fungistatic tests (growth inhibition but not killing; suspension: VAH method 7; surface: ISO DIS 22196 or ASTM 2180 or modified EN 1104); for microbicidal tests EN 14885; odour panel test: applicant method
Remarks	Target sites: Healthcare= hospitals; Healthcare facility= nursing home, patient care, dentist, doctors									when EN 14885 methods are used in a different area, soiling

<b>PT 02 Equipment</b>										
	<b>Product description type</b>	<b>Use area</b>	<b>Target site</b>	<b>Purpose</b>	<b>Min spectrum of activity</b>	<b>Additional optional activity</b>	<b>User Type</b>	<b>Application type</b>	<b>Appropriate methodology</b>	<b>Appropriate performance standard relevant to target site</b>
										specific to the intended use area should be employed

**Note:** In some cases EN 14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

Table 6: PT 02 Claims matrix: Swimming Pools

PT 02 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
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user [Several purposes can be combined in one product]</i>	<i>Obligatory range of targeted harmful organisms</i>	<i>[and / or]</i>	<i>As defined by BPD (Professional/ industrial, non-professional)</i>	<i>Method how the product is applied [and / or]</i>	<i>Types of test to be used</i>	
1	Swimming pool biocidal product	domestic, public and institutional, 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, broadcasting	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 institutional, such as sports	water in swimming pools	aesthetic	algaecidal	n.a.	non-professional, professional	automatic dispensing, pouring of solution, dissolution of	suspension test, field trial	OECD guidance document

PT 02 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
3	Swimming pool biocidal product	centres, health clubs, hotel domestic, public and institutional, 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	tablet / powder, broadcasting 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 institutional, 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	EN 14885, institutional surface disinfection methods, and biofilm test

**Notes:**

In some cases EN 14885 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

PT 03 Veterinary 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
	<i>Description of product within the specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user</i>	<i>Obligatory range of targeted harmful organisms</i>		<i>As defined by BPR (Professional/ industrial, non-professional)</i>	<i>Method how the product is applied</i>	<i>Types of test to be used</i>	
1	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 endoparasitocidal	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 emergency such							

PT 03 Veterinary 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
3	Hard surface disinfectant	livestock transportation vehicles	as an outbreak of an exotic disease 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 endoparasitocidal	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
5			veterinary clinics, veterinary							

PT 03 Veterinary 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
			testing laboratories and associated equipment in an emergency such as an outbreak of an exotic disease							
6	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
7	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
8	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 bacteriophagocidal and/or algaecidal	professional	dipping, spray, foam or wipe	suspension and surface laboratory tests with or without mechanical	EN 14885 (veterinary area) with teat dip requirements or other

PT 03 Veterinary 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
									action. Short contact times are applicable for pre-milking disinfection.	tests as available and appropriate
9	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
10	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 requirements or a modified version of this
11	Egg disinfectant	hatcheries	poultry and fish eggs	prevent the transmission of disease causing	bactericidal and fungicidal	virucidal	professional	airborne fumigation, spray /	suspension and surface laboratory	EN 14885 (veterinary area) or

PT 03 Veterinary 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
				microorganisms				mist or immersion	tests without mechanical action	other tests as available and appropriate
12	Bee hive disinfectant	bee hives	bee hives and associated equipment	prevent the transmission of disease causing microorganisms	bactericidal and sporicidal	fungicidal and/or virucidal and/or yeasticidal and/or protozoacidal and/or endoparasiticidal	professional and non-professional	spray, immersion, fumigation, wiping	suspension and surface laboratory tests without or without mechanical action	EN 14885 (veterinary area) modified if required or other tests as available and appropriate
13	Manure (solid and liquid) and litter disinfectant	animal husbandry and companion animals	manure and litter	prevent the transmission of disease causing microorganisms	bactericidal	virucidal and/or fungicidal and/or yeasticidal and/or sporicidal and/or mycobactericidal and/or tuberculocidal and/or protozoa-cidal and/or endoparasiticidal and/or specific organisms of concern	professional and non-professional	mixing	suspension and surface laboratory tests without mechanical action or field tests	tests as available and appropriate or simulated in use test?

**Note:** In some cases EN 14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

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

<b>PT 04 Disinfection in Food and Feed Industry</b>										
	<b>Product description type</b>	<b>Use area</b>	<b>Target site</b>	<b>Purpose</b>	<b>Min spectrum of activity</b>	<b>Additional optional activity</b>	<b>User Type</b>	<b>Application type</b>	<b>Appropriate methodology</b>	<b>Appropriate performance standard relevant to target site</b>
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>	<i>Primary objective of the product and expected result by the user</i>	<i>Obligatory range of targeted harmful organisms</i>		<i>Method how the product is applied</i>	<i>Types of test to be used</i>		<i>Description of product within a specific PT:</i>
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, phagocidal (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 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
2	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	general equipment, tables, floors, walls, ceilings	prevention of product and surface spoilage and reduce risk of infection of humans against moulds (fungi)	fungicidal (moulds)			spraying, wiping, foaming	suspension and surface test at low soiling (terminal disinfection)	EN 14885; like application under food, industrial, domestic and institutional areas. Use appropriate soiling which is relevant for claimed industry sector.
3	Hard surface disinfection (disinfection in the presence of soil)	dairy, non-alcoholic beverages, alcoholic beverages (e.g. breweries), processed food (meat, deli, vegetables, fruits etc.), food preparation and	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, phagocidal (dairy), virucidal, sporicidal, biofilms		spraying, wiping, foaming	suspension and surface test at high soiling (use appropriate soiling which is relevant for claimed industry sector). For claims against	EN 14885; like application under food, industrial, domestic and institutional areas. Use appropriate soiling which is

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
		handling (kitchen, restaurants, grocery shops, butcher etc.), pharmaceutical, cosmetic							biofilms suspension test and simulated use or field test 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	relevant for claimed industry sector.
4	Hard surface disinfection by fogging,	dairy, non-alcoholic beverages, alcoholic	transport, filling or packaging machines,	prevention of product spoilage and	bactericidal, yeasticidal	fungicidal, phagocidal (dairy), virucidal,		airborne diffusion, aerosol, smoke,	Suspension and surface test simulating intended use	EN 14885; like application under food,



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
	aerosol or vapour	beverages (e.g. breweries), processed food (meat, deli, vegetables, fruits etc.), food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.), pharmaceutical, cosmetic	general equipment, tables, floors, walls, ceilings	reduce risk of infection of humans		sporicidal		vapour, fogging		industrial, domestic and institutional areas. Use appropriate soiling which is relevant for claimed industry sector.
5	CIP (cleaning in place) 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,	pipes, tanks, fillers, mixer, other machine which come into contact with food	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagocidal (dairy), virucidal, sporicidal, biofilms		CIP	suspension testing 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 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
		butcher etc.), pharmaceutical, cosmetic								
6	CIP (cleaning in place= disinfectant (disinfection in the presence of soil)	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	pipes, tanks, fillers, mixer, other machine which come into contact with food	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagocidal (dairy), virucidal, sporicidal, biofilms		CIP	suspension test at high soiling (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 suspension test.	EN 14885; like application under food, industrial, domestic and institutional areas
7	Soaking disinfection	dairy, non-alcoholic beverages, alcoholic beverages (e.g. breweries), processed food (meat, deli,	dishes, cutlery, equipment, small machinery, machine items, crates, boxes,	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagocidal (dairy), virucidal, sporicidal, biofilms		soaking (manually)	suspension and surface test at low soiling when treated items prior to soak were cleaned and at high	EN 14885; like application under food, industrial, domestic and institutional

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
		vegetables, fruits etc.) , food preparation and handling (kitchen, restaurants, grocery shops, butcher etc.), pharmaceutical, cosmetic							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.	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, grocery shops, butcher etc.),	dishes, cutlery, equipment, small machinery, machine items, crates, boxes	prevention of product spoilage and reduce risk of infection of humans	bactericidal, yeasticidal	fungicidal, phagocidal (dairy), virucidal, sporicidal		spraying, soaking (automatically)	suspension and surface at low soiling when treated items prior to soak were cleaned and at high soiling for items to be soaked in presence of soiling. In addition to suspension test a test under simulated use	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 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
		pharmaceutical, cosmetic							conditions or a phase 3 test is recommended.	
9	Disinfection of inner surfaces in human drinking water systems	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, homes, apartment buildings, hotels etc.	drinking water systems	prevention of product spoilage and reduce risk of infection of humans	bactericidal	Legionella, yeasticidal, virucidal, sporicidal, biofilms		CIP, stand disinfection	suspension test at low soiling (terminal disinfection after cleaning). A test under simulated use conditions or phase 3 is required for claims against Legionella and in case of biofilms it is recommended	EN 14885; like application under food, industrial, domestic and institutional areas. Use appropriate soiling which is relevant for claimed industry sector.
10	Disinfection of inner surfaces in veterinary	veterinary industry, dairy farms, animal farms, animal	animal drinking water systems,	prevention and reduce risk of	bactericidal	yeasticidal, virucidal, sporicidal, biofilms		CIP, stand disinfection	suspension test at low soiling (terminal	EN 14885; like application under food,

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
	water systems	houses, stables, bio-industry	water systems to prepare feed; tanks, pipes	infection of animals					disinfection after cleaning). A test under simulated use conditions or phase 3 is recommended for claims against biofilms.	industrial, domestic and institutional areas

**Note:** In some cases EN 14885 differs from the EU guidance. The EU guidance is leading for biocide authorisation.

Table 9: PT 1-5 Claims matrix: Treated Articles

TREATED ARTICLES											
	Product description type	Use area	Target site (examples)	Claim	Use conditions	Purpose	Min spectrum of activity	Additional optional activity	Application type	Appropriate methodology	Appropriate performance standard relevant to target site
	<i>Description of product within a specific PT:</i>	<i>Intended sector of application:</i>	<i>Where the product is typically used:</i>			<i>Primary objective of the product and expected result by the user</i>	<i>Obligatory range of targeted harmful organisms</i>		<i>Method how the product is applied</i>	<i>Types of test to be used</i>	
1	Biocidal products with the purpose of treating or being incorporated into materials, surfaces or articles and adding disinfective properties to that material, surface or article	health care and health care facilities, institutions, industry, households	different material/ articles where disinfection properties are desired	kills on contact	dry	to prevent cross-contamination with pathogens	bactericidal	yeasticidal virucidal sporicidal	incorporated into material, coating on a material	<p><b>* see Notes</b></p> <p><b>Tier 1</b> - Proof of principle: Tier one tests should document the efficacy of the incorporated biocide against the target organism(s) under relevant conditions.</p> <p><b>Tier 2</b> - Simulated Use: Does the biocide show efficacy under real-life conditions and for how long?</p>	Min. log 3 reduction within 5 - 60 min, depending on exact use.
2	Biocidal products with the purpose of treating or being incorporated into materials,	health care and health care facilities, institutions, industry, households	different material/ articles which are used in wet conditions and where	prevents bacterial growth, prevents fungal growth	wet	to prevent contamination with pathogens	bacterio-static	fungistatic	incorporated into material, coating on a material	<p><b>* see Notes</b></p> <p><b>Tier 1</b> - Proof of principle: Tier one tests should document the efficacy of the incorporated</p>	Prevents growth, e.g. ISO 22196.

TREATED ARTICLES											
Product description type	Use area	Target site (examples)	Claim	Use conditions	Purpose	Min spectrum of activity	Additional optional activity	Application type	Appropriate methodology	Appropriate performance standard relevant to target site	
surfaces or articles with the purpose of preventing microbial growth		prevention of bacterial growth is desired								biocide against the target organism(s) under relevant conditions. <b>Tier 2</b> - Simulated Use: Does the biocide show efficacy under real-life conditions and for how long?	

**Notes:**

**Note 1 on claims:** The claims demonstrated for the biocidal product/example product are the claims which can be made for the treated article. It is not possible to add additional claims to the article.

**Note 2 on claims:** Other claims than the two listed are in principal possible. These have to be discussed with the competent authority and a testing strategy to prove such claims has to be agreed. Depending on the claims, tier 3 testing might be needed.

**Note on use conditions:** The conditions under which the efficacy test was demonstrated become part of the approval/authorisation. Often, efficacy has only been demonstrated for wet conditions. Then only a claim for "prevents bacterial or fungal growth" can be made. The proof of efficacy cannot be extrapolated to killing on contact.

**Note on methodology:** See chapter 5.3 of Vol II, Part B/C