MECCONTI

CATALOGUE 2012

MECCONTI

SUMMARY

LYOPHILISED REFERENCE ORGANISMS

Our product offering

Currently MECCONTI offers four different product lines of lyophilized micro-organisms:

MicroSwabs: *A MicroSwab* consists of a lyophilized pellet of a single micro-organism strain inside a pen-like device. This pen-like device contains a sterile swab and rehydration fluid to facilitate the transfer of the micro-organisms directly to culture media. The pellet has no defined CFU assay but a minimum of 1000 CFU/pellet to ensure proper growth. Use *MicroSwabs* whenever a defined assay value is not needed. The *MicroSwabs* are up to 4 passages removed from reference strain.
You will find a detailed description of our *MicroSwabs* and list of available strains on the pages 4 to 13.

MicroSwabPlus: The *MicroSwabPlus* also consists of a lyophilized pellet of a single micro-organism strain inside a pen-like device. This pen-like device contains a sterile swab and rehydration fluid to facilitate the transfer of the micro-organisms directly to culture media. The pellet has no defined CFU assay but a minimum of 1000 CFU/pellet to ensure proper growth. Whereas *MicroSwabs* are up to 4 passages removed from reference strain the *MicroSwabPlus* are only 2 passages removed from reference strain.
You will find a description of our *MicroSwabsPlus* and list of available strains on the pages 14 to 16.

MicroPelletsRT: A *MicroPelletRT* consists of a lyophilized pellet of a single micro-organism strain with a defined mean assay value inside a plastic vial and one separate vial with 1 ml rehydration fluid. Adding the reconstitution fluid to the pellet vial it forms a suspension with a defined assay value of 10-100 CFU/0.1 ml as mandated by USP and Ph.Eur. for growth promotion tests.
You will find a detailed description of our MicroPelletsRT and a list of available strains on the page 17 to 18.

MicroPelletRT10 is a bigger format of *MicroPelletRT* and is intended for customers who perform a lot of testing. A *MicroPelletRT10* consists of a lyophilized pellet of a single micro-organism strain with a defined mean assay value inside a plastic vial and one separate vial with 10 ml rehydration fluid. Adding pellet to the reconstitution fluid vial it forms a suspension with a defined assay value of 10-100 CFU/0.1 ml as mandated by USP and Ph.Eur. for growth promotion tests.
You will find a detailed description of our *MicroPelletRT10* and a list of available strains on the page 19.

MicroPelletsRTPlus microorganisms can be used to perform various essential quality control functions including microbial detection and enumeration, equipment calibration, method validation, bioburden determination, antibacterial effectiveness and lethality testing. *MicroPelletRTPlus* is available in concentrations ranging from 10^2 to 10^8 CFU per pellet. Rehydration fluid for this product line is available in sets of 2 vials of 1 ml each as a separate product.
You will find a detailed description of our *MicroPelletRTPlus* and a list of available strains on the page 20 to 21.

The ATCC Licensed Derivative® Program

The ATCC Licensed Derivative® program is an initiative aimed at improving the quality of microbiology products and protecting consumers impacted by them. The ATCC Licensed Derivative® program assures QC microbiologists that commercial products bearing the ATCC Licensed Derivative® emblem contain microorganisms with confirmed identity, viability and purity.

As a public science organization, ATCC takes very seriously its responsibility to try to ensure the safety and quality of the materials it provides. In joining ATCC's effort and passing ATCC's rigorous evaluation of MECCONTI's quality control process, MECCONTI's customers can be assured that our family of microorganisms is derived directly from ATCC cultures and is controlled to maintain its identity, purity and viability in products used in the industrial, clinical or environmental setting.

To assure proper handling along the chain of distribution MECCONTI's distributors of its ATCC Licensed Derivative® products have to meet certain standards and have to subscribe to the provisions of the ATCC Licensed Derivative® program. To ensure proper handling and use of these products the end user has to enter into a End User Agreement which describes each parties obligations. MECCONTI and its distributors cannot sell any products to end users who have not signed the End User Agreement. Contact MECCONTI or one of its distributors if you have any questions regarding the ATCC Licensed Derivative® program or to obtain a copy of the End User Agreement.

MicroSwabs

A practical source for micro-organisms

The ***MicroSwabs*** show several advantages, which make them a great source for ATCC®* derivatives, if a defined assay value is not required.

- Each lyophilized preparation is less than or equal to 4 passages from a reference culture.
- The pen-like *MicroSwabs* are easy to use.
- They can be stored at 2-8 °C.
- MicroSwabs expire 12-24 month after production.
- More than 300 different strains are available, traceable to authentic ATCC® * reference cultures.
- *MicroSwabs* are sold in economical units of two.
- A certificate of analysis for your QM documentation is included.

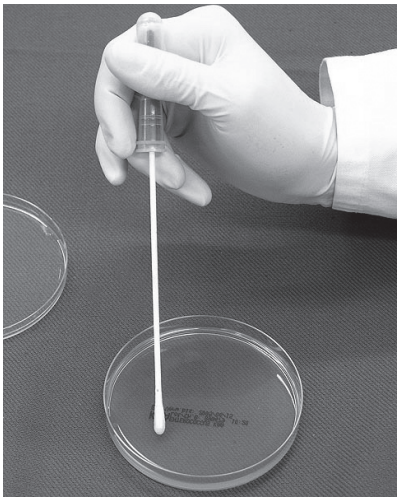
A MicroSwab

MicroSwabs – there's no easier way!

- Do you know other products similar to ours? Then you may be aware of the following problems:
- Some products also have a container of rehydration fluid inside a pen-like device. However this container is made of glass; you have to apply a substantial amount of pressure to break it in order to rehydrate the lyophilized pellet.
- Other lyophilized preparations have to be pinched to create a homogenous suspension with the rehydration fluid.
- Our *MicroSwabs* are easy to handle. And this for the following reasons:
- With the following simple actions you have inoculated your culture media:

Break the red „snap" valve by bending to a 45° angle.

Gently squeeze cap until all fluid moistens the lyophilized pellet in the bottom of the tube.



Gently shake so swab can absorb rehydrated pellet. Remove cap from tube and inoculate media.

MicroSwabs product listing

Cat#	Micro-organism	ATCC® #	Price group
MS-A018	Abiotrophia defectiva	49176™*	D
MS-A019	Achromobacter xylosoxidans	27061™*	D
MS-A020	Acinetobacter baumannii	BAA-747™*	D
MS-A001	Acinetobacter baumannii	19606™*	B
MS-A002	Acinetobacter lwoffii	17925™*	D
MS-A005	Acinetobacter sp. AmMS 243	49466™	C
MS-A004	Acinetobacter sp. AmMs 202	49139™*	C
MS-A003	Acinetobacter sp. AmMS 203	49137™*	C
MS-A021	Actinobacillus pleuropneumoniae	27090™*	D
MS-A006	Actinomyces odontolyticus	17929™*	D
MS-A007	Actinomyces pyogenes	19411™*	D
MS-A008	Actinomyces pyogenes	49698™*	D
MS-A022	Actinomyces viscosus	15987™*	D
MS-A009	Aerococcus viridans	700406™*	D
MS-A011	Aeromonas hydrophila AmMS 199	49140™*	C
MS-A010	Aeromonas hydrophila	35654™*	C
MS-A012	Aeromonas hydrophila	7966™*	C
MS-A013	Aeromonas salmonicida	33658™*	D
MS-A014	Alcaligenes faecalis	35655™*	C
MS-A015	Alcaligenes faecalis	8750™*	C
MS-A017	Aspergillus brasiliensis	16404™*	D
MS-B039	Bacillus amyloliquefaciens	23842™*	D
MS-B001	Bacillus cereus	10876™*	B
MS-B002	Bacillus cereus	11778™*	B
MS-B003	Bacillus cereus	14579™*	D
MS-B035	Bacillus circulans	4513™*	A
MS-B036	Bacillus licheniformis	14580™*	D
MS-B037	Bacillus megaterium	6458™*	D
MS-B031	Bacillus pumilus	14884™*	D
MS-B038	Bacillus pumilus	21143™*	D
MS-B007	Bacillus subtilis subsp. spizizenii	6633™*	B
MS-B008	Bacteroides distasonis	8503™*	C
MS-B009	Bacteroides fragilis	23745™*	C
MS-B010	Bacteroides fragilis	25285™*	D
MS-B040	Bacteroides ovatus	BAA1304™*	C
MS-B011	Bacteroides ovatus	8483™*	C
MS-B034	Bacteroides ovatus	BAA1296™*	D
MS-B012	Bacteroides thetaiotaomicron	29741™*	C
MS-B013	Bacteroides uniformis	8492™*	C
MS-B014	Bacteroides ureolyticus	33387™*	C
MS-B015	Bacteroides vulgatus	29327™*	D
MS-B016	Bacteroides vulgatus	8482™*	C

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Cat#	Micro-organism	ATCC® #	Price group
MS-B018	Bordetella bronchiseptica	10580™*	C
MS-B019	Bordetella bronchiseptica	4617™*	D
MS-B030	Bordetella parapertussis	15311™*	D
MS-B020	Bordetella pertussis	8467™*	D
MS-B026	Brevundimonas diminuta	19146™*	D
MS-B032	Brochothrix thermosphacta	11509™*	D
MS-B027	Burkholderia cepacia	25416™*	C
MS-B028	Burkholderia cepacia	25608™*	B
MS-C050	Campylobacter coli	43478™*	D
MS-C058	Campylobacter jejuni	49943™*	D
MS-C002	Campylobacter jejuni	29428™*	D
MS-C003	Campylobacter jejuni	33291™*	D
MS-C001	Campylobacter jejuni	33292™*	D
MS-C054	Candida albicans	64548™*	D
MS-C049	Candida albicans	90028™*	D
MS-C005	Candida albicans	10231™*	D
MS-C006	Candida albicans	14053™*	D
MS-C004	Candida albicans	36232™*	D
MS-C007	Candida albicans	60193™*	D
MS-C008	Candida albicans	66027™*	D
MS-C052	Candida glabrata	90030™*	D
MS-C009	Candida glabrata	15126™*	C
MS-C010	Candida glabrata	2001™*	D
MS-C011	Candida glabrata	66032™*	D
MS-C012	Candida guilliermondii	6260™*	D
MS-C013	Candida kefyr	2512™*	D
MS-C014	Candida kefyr	66028™*	D
MS-C015	Candida krusei	14243™*	D
MS-C017	Candida parapsilosis	22019™*	D
MS-C018	Candida parapsilosis	34136™*	D
MS-C019	Candida tropicalis	66029™*	D
MS-C020	Candida tropicalis	750™*	D
MS-C061	Cardiobacterium hominis	14900™*	D
MS-C055	Chryseobacterium indologenes	49471™*	D
MS-C051	Citrobacter freundii	43864™*	D
MS-C056	Citrobacter freundii	8454™*	D
MS-C022	Citrobacter freundii	8090™*	C
MS-C023	Clostridium difficile	9689™*	D
MS-C024	Clostridium histolyticum	19401™*	C
MS-C025	Clostridium novyi	7659™*	D
MS-C026	Clostridium perfringens	13124™*	D
MS-C057	Clostridium ramosum	13937™*	D
MS-C053	Clostridium septicum	12464™*	C
MS-C028	Clostridium sordellii	9714™*	C

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Cat#	Micro-organism	ATCC® #	Price group
MS-C029	Clostridium sporogenes	11437™*	D
MS-C030	Clostridium sporogenes	19404™*	C
MS-C031	Clostridium sporogenes	3584™*	D
MS-C033	Corynebacterium pseudodiphtheriticum	10701™*	C
MS-C032	Corynebacterium pseudodiphtheriticum	10700™*	C
MS-C059	Corynebacteruim striatum	BAA1293™*	D
MS-C035	Corynebacteruim xerosis	373™*	D
MS-E034	Cronobacter muytjensii	51329™*	D
MS-C036	Cryptococcus albidus	10666™*	D
MS-C037	Cryptococcus albidus	34140™*	D
MS-C038	Cryptococcus albidus	66030™*	D
MS-C048	Cryptococcus humicolus	9949™*	D
MS-C060	Cryptococcus laurentii	18803™*	D
MS-C039	Cryptococcus laurentii	66036™*	D
MS-C040	Cryptococcus laurentii	76483™*	D
MS-C041	Cryptococcus luteolus	10671™*	D
MS-C042	Cryptococcus neoformans	14116™	D
MS-C043	Cryptococcus neoformans	32045™*	D
MS-C044	Cryptococcus neoformans	34877™*	D
MS-C045	Cryptococcus neoformans	66031™*	D
MS-C046	Cryptococcus neoformans	76484™*	D
MS-C047	Cryptococcus uniguttulatus	66033™*	D
MS-D001	Delftia acidovorans	15668™*	D
MS-E033	Eggerthella lenta	43055™*	D
MS-E046	Eikenella corrodens	BAA1152™*	D
MS-C021	Elizabethkingia meningoseptica	13253™*	C
MS-E001	Enterobacter aerogenes	13048™*	B
MS-E002	Enterobacter aerogenes	35028™*	B
MS-E003	Enterobacter cloacae	13047™*	A
MS-E004	Enterobacter cloacae	23355™*	B
MS-E005	Enterobacter cloacae	49141™*	C
MS-E048	Enterobacter cloacae	700323™*	C
MS-E006	Enterobacter gergoviae	33028™*	D
MS-E007	Enterococcus avium	14025™*	C
MS-E008	Enterococcus avium	49464™*	C
MS-E039	Enterococcus casseiflavus	700327™*	D
MS-E009	Enterococcus durans	11576™*	C
MS-E010	Enterococcus durans	19432™*	C
MS-E011	Enterococcus durans	49135™*	C
MS-E012	Enterococcus durans	49479™*	D
MS-E013	Enterococcus durans	6056™*	C
MS-E014	Enterococcus faecalis	19433™*	C
MS-E015	Enterococcus faecalis	29212™*	C
MS-E035	Enterococcus faecalis	33186™*	D

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Cat#	Micro-organism	ATCC® #	Price group
MS-E016	Enterococcus faecalis	49149™*	C
MS-E017	Enterococcus faecalis	51299™*	C
MS-E018	Enterococcus faecium	35667™*	C
MS-E040	Enterococcus faecium	6057™*	C
MS-E019	Enterococcus gallinarum	700425™*	D
MS-E036	Enterococcus hirae	10541™*	C
MS-E020	Epidermophyton floccosum	52066™*	C
MS-E021	Erysipelothrix rhusiopathiae	19414™*	C
MS-E037	Escherichia coli	10536™*	D
MS-E047	Escherichia coli	11229™*	D
MS-E022	Escherichia coli	11303™*	D
MS-E023	Escherichia coli	11775™*	C
MS-E024	Escherichia coli	14948™*	D
MS-E025	Escherichia coli	25922™*	B
MS-E027	Escherichia coli	35218™*	C
MS-E028	Escherichia coli	35421™*	C
MS-E030	Escherichia coli	51446™*	C
MS-E031	Escherichia coli	51755™*	D
MS-E032	Escherichia coli	8739™*	C
MS-E038	Escherichia coli	9637™*	D
MS-C034	Exiguobacterium aurantiacum	49676™*	D
MS-P005	Finegoldia magna	29328™*	C
MS-F003	Fluoribacter bozemanae	33217™*	D
MS-F002	Fusobacterium nucleatum	25586™*	C
MS-G001	Gardnerella vaginalis	14018™*	C
MS-G002	Gardnerella vaginalis	49145™*	C
MS-G003	Geobacillus stearothermophilus	12976™*	D
MS-G004	Geobacillus stearothermophilus	12980™*	C
MS-B006	Geobacillus stearothermophilus	7953™*	D
MS-B017	Geotrichum capitatum	10663™*	D
MS-H001	Haemophilus aphrophilus	19415™*	C
MS-H002	Haemophilus haemolyticus	33390™*	B
MS-H003	Haemophilus influenzae	10211™*	C
MS-H004	Haemophilus influenzae	19418™*	C
MS-H005	Haemophilus influenzae	33533™*	C
MS-H006	Haemophilus influenzae	33930™*	C
MS-H007	Haemophilus influenzae	35056™*	D
MS-H008	Haemophilus influenzae	49144™*	C
MS-H009	Haemophilus influenzae	49247™*	C
MS-H010	Haemophilus influenzae	49766™*	C
MS-H011	Haemophilus influenzae	9006™*	B
MS-H017	Haemophilus influenzae	9833™*	D
MS-H018	Haemophilus influenzae	CL 511™*	C
MS-H013	Haemophilus parahaemolyticus	10014™*	C

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Cat#	Micro-organism	ATCC® #	Price group
MS-H014	Haemophilus parainfluenzae	51505™*	C
MS-H015	Haemophilus parainfluenzae	7901™*	C
MS-H016	Haemophilus paraphrophilus	49146™*	C
MS-H019	Haemophilus paraphrophilus	49917™*	C
MS-C016	Issatchenkia orientalis	6258™*	D
MS-K015	Kingella kingae	23330™*	D
MS-K001	Klebsiella oxytoca	43086™*	C
MS-K002	Klebsiella oxytoca	49131™*	B
MS-K012	Klebsiella oxytoca	700324™*	D
MS-K003	Klebsiella pneumoniae	10031™*	C
MS-K004	Klebsiella pneumoniae	13883™*	A
MS-K005	Klebsiella pneumoniae	23357™*	D
MS-K006	Klebsiella pneumoniae	27736™*	A
MS-K016	Klebsiella pneumoniae	31488™*	D
MS-K007	Klebsiella pneumoniae	33495™*	C
MS-K008	Klebsiella pneumoniae	35657™*	D
MS-K009	Klebsiella pneumoniae	700603™*	D
MS-K010	Klebsiella pneumoniae	9997™*	D
MS-K013	Klebsiella pneumoniae	BAA1705™*	D
MS-K014	Klebsiella pneumoniae	BAA1706™*	D
MS-K017	Kocuria kristinae	BAA-752™*	D
MS-M003	Kocuria rhizophila	533™*	C
MS-M004	Kocuria rhizophila	9341™*	D
MS-K011	Kocuria rosea	186™*	D
MS-K018	Kurthia gibsonii	43195™*	D
MS-L001	Lactobacillus acidophilus	4356™*	D
MS-L002	Lactobacillus casei subsp. casei	393™*	D
MS-L014	Lactobacillus plantarum	8014™*	D
MS-L003	Lactobacillus rhamnosus	7469™*	D
MS-L004	Lactococcus lactis subsp. lactis	11454™*	D
MS-L005	Leclercia adecarboxylata	23216™*	B
MS-L006	Legionella pneumophila	33152™*	D
MS-L007	Listeria grayi	25401™*	D
MS-L008	Listeria innocua	33090™*	D
MS-L010	Listeria ivanovii	19119™*	D
MS-L023	Listeria monocytogenes	13932™*	D
MS-L015	Listeria monocytogenes	15313™*	D
MS-L011	Listeria monocytogenes	19111™*	D
MS-L013	Listeria monocytogenes	19115™*	D
MS-L025	Listeria monocytogenes	19117™*	D
MS-L012	Listeria monocytogenes	7644™*	D
MS-L024	Listeria monocytogenes	BAA751™*	D
MS-L026	Listeria seeligeri	35967™*	D
MS-L027	Listeria welshimeri	35897™*	D

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Cat#	Micro-organism	ATCC® #	Price group
MS-B005	Lysinibacillus sphaericus	4525™*	D
MS-S050	Macrococcus caseolyticus	35662™*	B
MS-M012	Malassezia furfur ®	14521™*	D
MS-M009	Micrococcus luteus	10240™*	D
MS-M001	Micrococcus luteus	4698™*	D
MS-M002	Micrococcus luteus	49732™*	C
MS-M005	Micrococcus sp.	700405™*	D
MS-P006	Micromonas micros	33270™*	C
MS-M006	Microsporum canis	11621™*	D
MS-B021	Moraxella catarrhalis	23246™*	D
MS-B022	Moraxella catarrhalis	25238™*	C
MS-B023	Moraxella catarrhalis	25240™*	C
MS-B024	Moraxella catarrhalis	49143™*	C
MS-B025	Moraxella catarrhalis	8176™*	C
MS-M007	Morganella morganii	25830™*	D
MS-M008	Moraxella osloensis	10973™*	C
MS-F001	Myroides odoratus	4651™*	D
MS-N001	Neisseria gonorrhoeae	19424™*	C
MS-N002	Neisseria gonorrhoeae	31426™*	C
MS-N003	Neisseria gonorrhoeae	43069™*	C
MS-N004	Neisseria gonorrhoeae	43070™*	C
MS-N005	Neisseria gonorrhoeae	49226™*	C
MS-N006	Neisseria gonorrhoeae	49981™*	D
MS-N007	Neisseria lactamica	23970™*	C
MS-N008	Neisseria lactamica	23971™*	C
MS-N009	Neisseria lactamica	49142™*	C
MS-N010	Neisseria meningitidis Group A	13077™*	C
MS-N011	Neisseria meningitidis Group B	13090™*	B
MS-N012	Neisseria meningitidis Group C	13102™*	B
MS-N013	Neisseria mucosa	19695™*	C
MS-N015	Neisseria perflava	14799™*	C
MS-N014	Neisseria sicca	9913™*	C
MS-N016	Nocardia asteroides	19247™*	D
MS-N017	Nocardia brasiliensis	19296™*	D
MS-N018	Nocardia farcinica	3308™*	D
MS-O003	Ochrobactrum anthropi	49687™*	D
MS-O001	Oligella ureolytica	43534™*	C
MS-O002	Oligella urethralis	17960™*	C
MS-B004	Paenibacillus polymyxa	842™*	D
MS-P040	Parabacteroides distasonis	BAA1295™*	D
MS-P001	Pasteurella multocida	43137™*	C
MS-P002	Penicillium chrysogenum	10106™*	D
MS-P004	Peptoniphilus asaccharolyticus	29743™*	C
MS-P003	Peptostreptococcus anaerobius	27337™*	C

*) ATCC Licensed Derivative®

Cat#	Micro-organism	ATCC® #	Price group
MS-P041	Phytophthora sojae	48069™*	D
MS-P007	Plesiomonas shigelloides	14029™*	D
MS-P008	Plesiomonas shigelloides	51903™*	B
MS-P009	Porphyromonas gingivalis	33277™*	C
MS-P010	Porphyromonas levii	29147™*	C
MS-P042	Prevotella intermedia	15032™*	D
MS-P025	Prevotella loeschii	15930™*	D
MS-P043	Prevotella melaninogenica	25845™*	D
MS-P011	Propionibacterium acnes	11827™*	C
MS-P012	Proteus mirabilis	12453™*	B
MS-P035	Proteus mirabilis	25933™*	D
MS-P013	Proteus mirabilis	29245™*	B
MS-P014	Proteus mirabilis	29906™*	B
MS-P015	Proteus mirabilis	35659™*	D
MS-P016	Proteus mirabilis	43071™*	B
MS-P017	Proteus mirabilis	7002™*	B
MS-P018	Proteus vulgaris	13315™*	B
MS-P019	Proteus vulgaris	49132™*	B
MS-P020	Proteus vulgaris	6380™*	B
MS-P021	Proteus vulgaris	8427™*	B
MS-P022	Providencia alcalifaciens	51902™*	B
MS-P023	Providencia stuartii	33672™*	C
MS-P024	Providencia stuartii	49809™*	C
MS-P044	Pseudomonas aeruginosa	25668™*	D
MS-P026	Pseudomonas aeruginosa	10145™*	A
MS-P038	Pseudomonas aeruginosa	15442™*	D
MS-P036	Pseudomonas aeruginosa	19429™*	D
MS-P027	Pseudomonas aeruginosa	25619™*	C
MS-P028	Pseudomonas aeruginosa	27853™*	A
MS-P029	Pseudomonas aeruginosa	35422™*	C
MS-P030	Pseudomonas aeruginosa	9027™*	B
MS-P032	Pseudomonas fluorescens	13525™*	D
MS-P033	Pseudomonas putida	49128™*	C
MS-P045	Pseudomonas sp.	19144™*	D
MS-P034	Pseudomonas stutzeri	17588™*	D
MS-B029	Ralstonia pickettii	49129™*	C
MS-R001	Rhizopus stolonifer	14037™*	D
MS-R002	Rhodococcus equi	6939™*	C
MS-S101	Saccharomyces cerevisiae	9763™*	D
MS-S001	Saccharomyces cerevisiae	32701™*	D
MS-S002	Saccharomyces cerevisiae	4098™*	D
MS-S003	Salmonella abaetetuba	35640™*	D
MS-S100	Salmonella abony	NCTC® 6017™	D
MS-S004	Salmonella anatum	9270™*	C

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Cat#	Micro-organism	ATCC® #	Price group
MS-S005	Salmonella arizonae	13314™*	D
MS-S102	Salmonella choleraesuis	10708™*	D
MS-S008	Salmonella diarizonae	29226™*	C
MS-S127	Salmonella enterica	12325™*	D
MS-S006	Salmonella enteritidis	13076™*	C
MS-S113	Salmonella Group D, not typhi	CL BF-SD™*	C
MS-S014	Salmonella kunzendorf	12011™*	C
MS-S015	Salmonella paratyphi	9150™*	C
MS-S104	Salmonella pullorum	19945™*	D
MS-S011	Salmonella schottmuelleri	8759™*	C
MS-S114	Salmonella sp.	35664™*	D
MS-S016	Salmonella tallahassee	12002™*	C
MS-S103	Salmonella typhimurium	13311™*	D
MS-S018	Salmonella typhimurium	14028™*	C
MS-S009	Salmonella typhimurium	29631™*	D
MS-S019	Salmonella vellore	15611™*	C
MS-S020	Serratia liquefaciens	27592™*	C
MS-S021	Serratia marcescens	13880™*	D
MS-S022	Serratia marcescens	14756™*	D
MS-S115	Serratia marcescens	27857™*	D
MS-S023	Serratia marcescens	8100™*	B
MS-S116	Serratia marcescens	CLD1™*	D
MS-S025	Serratia odorifera	33077™*	C
MS-S026	Serratia rubidaea	33670™*	B
MS-S027	Shewanella putrefaciens	49138™*	B
MS-S028	Shewanella putrefaciens	8071™*	B
MS-S029	Shigella boydii	9207™*	B
MS-S117	Shigella dysenteriae	13313™*	B
MS-S031	Shigella flexneri	12022™*	C
MS-S032	Shigella sonnei	25931™*	C
MS-S033	Shigella sonnei	9290™*	B
MS-S034	Sphingobacterium multivorum	35656™*	C
MS-S035	Sphingomonas trueperi	12417™*	D
MS-S105	Staphylococcus aureus	9144™*	D
MS-S106	Staphylococcus aureus	BAA1026™*	D
MS-S108	Staphylococcus aureus	BAA976™*	D
MS-S107	Staphylococcus aureus	BAA977™*	D
MS-S036	Staphylococcus aureus	12598™*	C
MS-S037	Staphylococcus aureus	12600™*	C
MS-S038	Staphylococcus aureus	25904™*	D
MS-S039	Staphylococcus aureus	25923™*	A
MS-S040	Staphylococcus aureus	29213™*	A
MS-S041	Staphylococcus aureus	31153™*	C
MS-S042	Staphylococcus aureus	33591™*	B

*) ATCC Licensed Derivative®

Cat#	Micro-organism	ATCC® #	Price group
MS-S043	Staphylococcus aureus	33862™*	B
MS-S044	Staphylococcus aureus	43300™*	C
MS-S045	Staphylococcus aureus	49476™*	D
MS-S046	Staphylococcus aureus	51153™*	C
MS-S048	Staphylococcus aureus	6538P™*	C
MS-S047	Staphylococcus aureus	6538™*	C
MS-S049	Staphylococcus capitis	35661™*	B
MS-S051	Staphylococcus epidermidis	12228™*	B
MS-S052	Staphylococcus epidermidis	14990™*	B
MS-S053	Staphylococcus epidermidis	29887™*	D
MS-S054	Staphylococcus epidermidis	49134™*	C
MS-S055	Staphylococcus hominis	27844™*	D
MS-S118	Staphylococcus intermedius	29663™*	D
MS-S056	Staphylococcus lentus	700403™*	D
MS-S119	Staphylococcus pseudintermedius	49444™*	C
MS-S120	Staphylococcus saprophyticus	BAA750™*	D
MS-S057	Staphylococcus saprophyticus	15305™*	B
MS-S058	Staphylococcus saprophyticus	35552™*	D
MS-S059	Staphylococcus saprophyticus	49453™*	D
MS-S060	Staphylococcus saprophyticus	49907™*	D
MS-S121	Staphylococcus sciuri	29061™*	D
MS-S061	Staphylococcus sciuri	29060™*	C
MS-S062	Staphylococcus xylosus	29967™*	D
MS-S063	Staphylococcus xylosus	29971™*	D
MS-S064	Staphylococcus xylosus	35663™*	D
MS-S065	Staphylococcus xylosus	49148™*	D
MS-S066	Staphylococcus xylosus	700404™*	D
MS-S112	Stenotrophomonas maltophilia	17666™*	D
MS-S067	Stenotrophomonas maltophilia	13637™*	B
MS-S068	Stenotrophomonas maltophilia	51331™*	D
MS-S092	Streptococcus agalactiae	12386™*	C
MS-S122	Streptococcus agalactiae	CL 810™*	D
MS-S069	Streptococcus agalactiae	13813™*	B
MS-S070	Streptococcus agalactiae	27956™*	B
MS-S072	Streptococcus anginosus	33397™*	D
MS-S123	Streptococcus bovis	33317™*	D
MS-S076	Streptococcus bovis	35034™*	C
MS-S074	Streptococcus bovis	49133™*	C
MS-S093	Streptococcus dysgalactiae	12388™*	B
MS-S095	Streptococcus dysgalactiae	12394™*	C
MS-S073	Streptococcus dysgalactiae	35666™*	C
MS-S098	Streptococcus equi	9528™*	C
MS-S124	Streptococcus equi subsp. zooepidemicus	700400™*	C
MS-S079	Streptococcus equi subsp. equi	9528™*	C

Cat#	Micro-organism	ATCC® #	Price group
MS-S075	Streptococcus galloltyticus	49475™*	D
MS-S077	Streptococcus gallolyticus	49147™*	C
MS-S078	Streptococcus gallolyticus	9809™*	C
MS-S080	Streptococcus mitis	6249™*	C
MS-S125	Streptococcus mutans	25175™*	C
MS-S081	Streptococcus mutans	35668™*	C
MS-S082	Streptococcus oralis	9811™*	C
MS-S083	Streptococcus pneumoniae	27336™*	B
MS-S084	Streptococcus pneumoniae	49136™*	C
MS-S085	Streptococcus pneumoniae	49150™*	B
MS-S086	Streptococcus pneumoniae	49619™*	D
MS-S087	Streptococcus pneumoniae	6303™*	C
MS-S088	Streptococcus pneumoniae	6305™*	C
MS-S089	Streptococcus pyogenes	12384™*	B
MS-S090	Streptococcus pyogenes	19615™*	B
MS-S126	Streptococcus salivarius	13419™*	D
MS-S091	Streptococcus sanguis	10556™*	C
MS-S096	Streptococcus sp. (Group D)	27284™*	D
MS-S094	Streptococcus sp. (Group F)	12392™*	D
MS-S097	Streptococcus uberis	700407™*	D
MS-S099	Streptomyces somialensis	33201™*	D
MS-T003	Tannerella forsythensis	700191™*	D
MS-T001	Trichophyton mentagrophytes	9533™*	D
MS-T002	Trichophyton rubrum	28188™*	D
MS-V001	Vibrio parahaemolyticus	17802™*	D
MS-Y001	Yarrowia lipolytica	9773™*	D
MS-Y002	Yersinia enterocolitica	23715™*	C
MS-Y003	Yersinia enterocolitica	9610™*	D
MS-Y004	Yersinia kristensenii	33639™*	D
MS-Z001	Zygosaccharomyces rouxii	28253™*	D

A MicroSwabPlus

Only 2 passages from the reference strain

The ***MicroSwabPlus*** show several advantages, which make them a great source for ATCC®* derivatives, if defined assay values are not required, but a maximum of 2 passages is mandatory.

- Each lyophilized preparation is less than or equal to 2 passages from a reference culture.
- The pen-like MicroSwabs are easy to use.
- They can be stored at 2-8 °C.
- *MicroSwabPlus* expire 12-24 month after production.
- More than 300 different strains are available, traceable to authentic ATCC®* reference cultures.
- *MicroSwabPlus* are sold in economical units of two.
- A certificate of analysis for your QM documentation is included.

MicroSwabPlus product listing

Cat#	Micro-organism	ATCC® #	Price group
MS2-A017	Aspergillus brasiliensis (deponated as A. niger)	16404™*	D
MS2-B001	Bacillus cereus	10876™*	B
MS2-B007	Bacillus subtilis subsp. spizizenii	6633™*	B
MS2-B014	Bacteroides ureolyticus	33387™*	C
MS2-B016	Bacteroides vulgatus	8482™*	C
MS2-B018	Bordetella bronchiseptica	10580™*	C
MS2-B019	Bordetella bronchiseptica	4617™*	D
MS2-B026	Brevundimonas diminuta	19146™*	D
MS2-B027	Burkholderia cepacia	25416™*	C
MS2-B028	Burkholderia cepacia	25608™*	B
MS2-C003	Campylobacter jejuni	33291™*	D
MS2-C005	Candida albicans	10231™*	D
MS2-C026	Clostridium perfringens	13124™*	D
MS2-C029	Clostridium sporogenes	11437™*	D
MS2-C030	Clostridium sporogenes	19404™*	C
MS2-E001	Enterobacter aerogenes	13048™*	B
MS2-E039	Enterococcus casseliflavus	700327™*	D

*) ATCC Licensed Derivative®

Cat#	Micro-organism	ATCC® #	Price group
MS2-E015	Enterococcus faecalis	29212™*	C
MS2-E017	Enterococcus faecalis	51299™*	C
MS2-E025	Escherichia coli	25922™*	B
MS2-E027	Escherichia coli	35218™*	C
MS2-E032	Escherichia coli	8739™*	C
MS2-B006	Geobacillus staerothermophilus	7953™*	D
MS2-H003	Haemophilus influenzae	10211™*	C
MS2-H009	Haemophilus influenzae	49247™*	C
MS2-H010	Haemophilus influenzae	49766™*	C
MS2-H011	Haemophilus influenzae	9006™*	B
MS2-H015	Haemophilus parainfluenzae	7901™*	C
MS2-K012	Klebsiella oxytoca	700324™*	D
MS2-K004	Klebsiella pneumoniae	13883™*	A
MS2-K010	Klebsiella pneumoniae	9997™*	D
MS2-M004	Kocuria rhizophila	9341™*	D
MS2-L005	Leclercia adecarboxylata	23216™*	B
MS2-L013	Listeria monocytogenes	19115™*	D
MS2-P006	Micromonas micros	33270™*	C
MS2-B022	Moraxella catarrhalis	25238™*	C
MS2-N003	Neisseria gonorrhoeae	43069™*	C
MS2-N005	Neisseria gonorrhoeae	49226™*	C
MS2-N006	Neisseria gonorrhoeae	49981™*	D
MS2-N007	Neisseria lactamica	23970™*	C
MS2-N012	Neisseria meningitidis (serogrup C)	13102™*	B
MS2-P003	Peptostreptococcus anaerobius	27337™*	C
MS2-P008	Plesiomonas shigelloides	51903™*	B
MS2-P011	Propionibacterium acnes	11827™*	C
MS2-P012	Proteus mirabilis	12453™*	B
MS2-P035	Proteus mirabilis	25933™*	D
MS2-P017	Proteus mirabilis	7002™*	B
MS2-P022	Providencia alcalifaciens	51902™*	B
MS2-P028	Pseudomonas aeruginosa	27853™*	A
MS2-P030	Pseudomonas aeruginosa	9027™*	B
MS2-S018	Salmonella typhimurium	14028™*	C
MS2-S020	Serratia liquefaciens	27592™*	C
MS2-S021	Serratia marcescens	13880™*	D
MS2-S039	Staphylococcus aureus	25923™*	A
MS2-S040	Staphylococcus aureus	29213™*	A
MS2-S042	Staphylococcus aureus	33591™*	B
MS2-S044	Staphylococcus aureus	43300™*	C
MS2-S047	Staphylococcus aureus	6538™*	C
MS2-S048	Staphylococcus aureus	6538P™*	C
MS2-S051	Staphylococcus epidermidis	12228™*	B
MS2-S059	Staphylococcus saprophyticus	49453™*	D

*) ATCC Licensed Derivative®

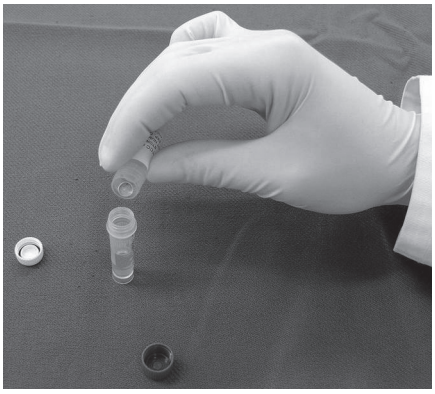
Cat#	Micro-organism	ATCC® #	Price group
MS2-S069	Streptococcus agalactiae	13813™*	B
MS2-S086	Streptococcus pneumoniae	49619™*	D
MS2-S087	Streptococcus pneumoniae	6303™*	C
MS2-S090	Streptococcus pyogenes	19615™*	B
MS2-T001	Trichophyton mentagrophytes	9533™*	D

All other strains included in MicroSwab tablet (see pages 4-13) also available in MicroSwabPlus format on request.

*) ATCC Licensed Derivative®

MicroPelletsRT

A quality assurance challenge for growth promotion tests according USP/Ph.Eur.



The MicroPelletsRT are a cost-effective alternative to labour-intensive dilution/colony count procedures.

After processing these preparations of lyophilized micro-organisms as directed you will achieve a quality assurance challenge as required by Ph.Eur./USP to perform growth promotion tests. *MicroPelletsRT* can be traced back to ATCC reference strains and are not more than 4 passages away from the reference strain.

MicroPelletsRT have the following features:

- Each *MicroPelletRT* is packed separately in a vial – this prevents any spoilage of the lyophilized preparation by humidity etc.
- *MicroPelletsRT* are easy to use: Simply unscrew the cap and rehydrate with the provided fluid. As *MicroPelletsRT* are lyophilized and not just dried suspensions like other products currently available, they rehydrate instantly and can be used immediately.
- Each pellet contains 100-1000 colony forming units (CFU's), and when rehydrated with 1.0 ml it produces 10 doses of 10-100 CFU's/0.1 ml. No additional dilution step is necessary!
- *MicroPelletsRT* are delivered in economical packs of 2 vials with one pellet/vial.
- The necessary quantity of rehydration fluid (1 vial of 1 ml per pellet) comes automatically with the pellets.
- *MicroPelletsRT* can easily be stored at 2-8 °C.
- *MicroPelletsRT* does not require dry ice. Shipping costs are reduced.

MicroPelletsRT product listing

Cat#	Micro-organism	ATCC® #	Price group
MP-RT-A017	Aspergillus brasiliensis	16404™*	P1
MP-RT-B001	Bacillus cereus	10876™*	P1
MP-RT-B007	Bacillus subtilis subsp. Spizizenii	6633™*	P1
MP-RT-B026	Brevundimonas diminuta	19146™*	P1
MP-RT-B027	Burkholderia cepacia	25416™*	P1
MP-RT-C005	Candida albicans	10231™*	P1
MP-RT-C002	Candida albicans	2091™*	P1
MP-RT-C026	Clostridium perfringens	13124™*	P1
MP-RT-C029	Clostridium sporogenes	11437™*	P1
MP-RT-C030	Clostridium sporogenes	19404™*	P1
MP-RT-E001	Enterobacter aerogenes	13048™*	P1
MP-RT-E043	Escherichia coli	43888™*	P1
MP-RT-E045	Enterococcus faecalis	7080™*	P1
MP-RT-E015	Enterococcus faecalis	29212™*	P1
MP-RT-E032	Escherichia coli	8739™*	P1
MP-RT-E025	Escherichia coli	25922™*	P1

*) ATCC Licensed Derivative®

Cat#	Micro-organism	ATCC® #	Price group
MP-RT-B006	Geobacillus stearothermophilus	7953™*	P1
MP-RT-K013	Kocuria rhizophila	9341™*	P1
MP-RT-L016	Lactobacillus fermentum	9338™*	P1
MP-RT-L013	Listeria monocytogenes	19115™*	P1
MP-RT-P028	Pseudomonas aeruginosa	27853™*	P1
MP-RT-P030	Pseudomonas aeruginosa	9027™*	P1
MP-RT-S100	Salmonella enterica subsp. enterica	NCTC 6017™	P1
MP-RT-S003	Salmonella enterica subsp. enterica serovar Abaetetuba	35640™*	P1
MP-RT-S102	Salmonella enterica subsp. enterica serovar Choleraesuis	10708™*	P1
MP-RT-S103	Salmonella enterica subsp. enterica serovar Typhimurium	13311™*	P1
MP-RT-S018	Salmonella enterica subsp. enterica serovar Typhimurium	14028™*	P1
MP-RT-S047	Staphylococcus aureus subsp. aureus	6538™*	P1
MP-RT-S048	Staphylococcus aureus subsp. aureus	6538P™*	P1
MP-RT-S039	Staphylococcus aureus subsp. aureus	25923™*	P1
MP-RT-S051	Staphylococcus epidermidis	12228™*	P1
MP-RT-S090	Streptococcus pyogenes	19615™*	P1

MicroPelletsRT10

If you need more material for your growth promotion tests...

MicroPelletRT10 is a bigger form of *MicroPelletsRT* dedicated in case when 10 doses of material per day is not sufficient.

After processing these preparations of lyophilized micro-organisms as directed you will achieve a quality assurance challenge as required by Ph.Eur./USP to perform growth promotion tests. *MicroPelletsRT10* can be traced back to ATCC reference strains and are not more than 4 passages away from the reference strain.

MicroPelletsRT10 have the following features:

- Each *MicroPelletRT10* is packed separately in a vial – this prevents any spoilage of the lyophilized preparation by humidity etc.
- *MicroPelletsRT10* are easy to use: Simply unscrew the cap and rehydrate with the provided 10 ml fluid. As *MicroPelletsRT10* are lyophilized and not just dried suspensions like other products currently available, they rehydrate instantly and can be used immediately.
- Each pellet contains 1000-10000 colony forming units (CFU's), and when rehydrated with 10 ml it produces 100 doses of 10-100 CFU's/0.1 ml. No additional dilution step is necessary!
- *MicroPelletsRT10* are delivered in economical packs of 2 vials with one pellet/vial.
- The necessary quantity of rehydration fluid (1 vial of 10 ml per pellet) comes automatically with the pellets.
- *MicroPelletsRT10* can easily be stored at 2-8 °C.
- *MicroPelletsRT10* does not require dry ice. Shipping costs are reduced.
- *MicroPelletsRT* expire 12 months after production if stored as directed.
- A certificate of analysis for your QM documentation is included.

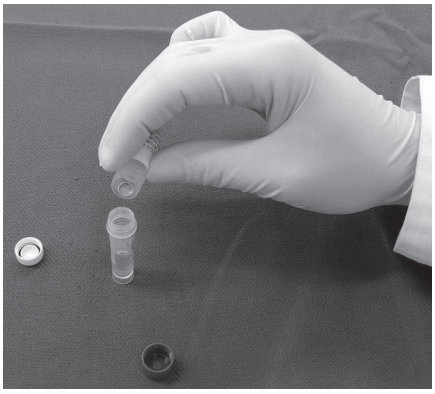
MicroPelletsRT10 product listing

Cat#	Micro-organism	ATCC® #	Price group
MP-RT10-A017	Aspergillus brasiliensis	16404™*	P3
MP-RT10-B007	Bacillus subtilis subsp. Spizizenii	6633™*	P3
MP-RT10-C005	Candida albicans	10231™*	P3
MP-RT10-C029	Clostridium sporogenes	11437™*	P3
MP-RT10-C030	Clostridium sporogenes	19404™*	P3
MP-RT10-E025	Escherichia coli	25922™*	P3
MP-RT10-E032	Escherichia coli	8739™*	P3
MP-RT10-P028	Pseudomonas aeruginosa	27853™*	P3
MP-RT10-S018	Salmonella enterica subsp. enterica serovar Typhimurium	14028™*	P3
MP-RT10-S047	Staphylococcus aureus subsp. aureus	6538™*	P3

Other products available on request.

*) ATCC Licensed Derivative®

The *MicroPelletsRTPlus* – Multiple Application Enumerated Challenges



MicroPelletRTPlus microorganisms can be used to perform various essential quality control functions including

- microbial detection and enumeration,
- equipment calibration,
- method validation,
- bioburden determination,
- antibacterial effectiveness,
- and lethality testing.

Available in concentrations ranging from 10^2 to 10^8 CFU per pellet, *MicroPelletRTPlus* lyophilized microorganism preparations are extremely versatile. *MicroPelletRTPlus* can be used individually or several *MicroPelletRTPlus* pellets can be combined for a mixed microorganism population challenge. They can also be easily manipulated to deliver a wide variety of concentrations. For added convenience, *MicroPelletRTPlus* are delivered in economical packs of 2 vials with one pellet/vial.

Rehydration fluid is available separately in sets of 2 vials of 1 ml each as a complementary product.

MicroPelletsRTPlus product listing

Cat#	Micro-organism	collection #	CFU value per pellet	Price group
MP-RTP3-A017	Aspergillus brasiliensis	ATCC® 16404™*	x10^3 CFU	P2
MP-RTP6-A017	Aspergillus brasiliensis	ATCC® 16404™*	x10^6 CFU	P2
MP-RTP3-B001	Bacillus cereus	ATCC® 10876™*	x10^3 CFU	P2
MP-RTP3-B033	Bacillus cereus	NCIMB 7464™	x10^3 CFU	P2
MP-RTP3-B007	Bacillus subtilis subsp. Spizizenii	ATCC® 6633™*	x10^3 CFU	P2
MP-RTP4-B007	Bacillus subtilis subsp. Spizizenii	ATCC® 6633™*	x10^4 CFU	P2
MP-RTP6-B007	Bacillus subtilis subsp. Spizizenii	ATCC® 6633™*	x10^6 CFU	P2
MP-RTP3-C005	Candida albicans	ATCC® 10231™*	x10^3 CFU	P2
MP-RTP7-C005	Candida albicans	ATCC® 10231™*	x10^7 CFU	P2
MP-RTP3-C026	Clostridium perfringens	ATCC® 13124™*	x10^3 CFU	P2
MP-RTP3-C029	Clostridium sporogenes	ATCC® 11437™*	x10^3 CFU	P2
MP-RTP3-C030	Clostridium sporogenes	ATCC® 19404™*	x10^3 CFU	P2
MP-RTP3-E034	Cronobacter muytjensii	ATCC® 51329™*	x10^3 CFU	P2
MP-RTP3-E001	Enterobacter aerogenes	ATCC® 13048™*	x10^3 CFU	P2
MP-RTP3-E041	Enterobacter aerogenes	NCIMB 10102™	x10^3 CFU	P2
MP-RTP8-E042	Enterobacter cloacae subsp. Cloacae	ATCC® 35030™*	x10^8 CFU	P2
MP-RTP3-E015	Enterococcus faecalis	ATCC® 29212™*	x10^3 CFU	P2
MP-RTP7-E015	Enterococcus faecalis	ATCC® 29212™*	x10^7 CFU	P2
MP-RTP3-E045	Enterococcus faecalis	ATCC® 7080™*	x10^3 CFU	P2
MP-RTP3-E025	Escherichia coli	ATCC® 25922™*	x10^3 CFU	P2

*) ATCC Licensed Derivative®

Cat#	Micro-organism	collection #	CFU value per pellet	Price group
MP-RTP3-E027	Escherichia coli	ATCC® 35218™*	x10^3 CFU	P2
MP-RTP3-E043	Escherichia coli	ATCC® 43888™*	x10^3 CFU	P2
MP-RTP3-E044	Escherichia coli	ATCC® 51813™*	x10^3 CFU	P2
MP-RTP4-E044	Escherichia coli	ATCC® 51813™*	x10^4 CFU	P2
MP-RTP3-E032	Escherichia coli	ATCC® 8739™*	x10^3 CFU	P2
MP-RTP7-E032	Escherichia coli	ATCC® 8739™*	x10^7 CFU	P2
MP-RTP3-B006	Geobacillus stearothermophilus	ATCC® 7953™*	x10^3 CFU	P2
MP-RTP7-K003	Klebsiella pneumoniae subsp. Pneumoniae	ATCC® 10031™*	x10^7 CFU	P2
MP-RTP3-M004	Kocuria rhizophila	ATCC® 9341™*	x10^3 CFU	P2
MP-RTP4-M004	Kocuria rhizophila	ATCC® 9341™*	x10^4 CFU	P2
MP-RTP3-L016	Lactobacillus fermentum	ATCC® 9338™*	x10^3 CFU	P2
MP-RTP3-L021	Listeria innocua	NCTC 11288	x10^3 CFU	P2
MP-RTP3-L023	Listeria monocytogenes	ATCC® 13932™*	x10^3 CFU	P2
MP-RTP3-L013	Listeria monocytogenes	ATCC® 19115™*	x10^3 CFU	P2
MP-RTP3-P037	Penicillium aurantiogriseum	ATCC® 16025™*	x10^3 CFU	P2
MP-RTP3-P038	Pseudomonas aeruginosa	ATCC® 15442™*	x10^3 CFU	P2
MP-RTP3-P028	Pseudomonas aeruginosa	ATCC® 27853™*	x10^3 CFU	P2
MP-RTP6-P028	Pseudomonas aeruginosa	ATCC® 27853™*	x10^6 CFU	P2
MP-RTP7-P030	Pseudomonas aeruginosa	ATCC® 9027™*	x10^7 CFU	P2
MP-RTP4-P039	Pseudomonas aeruginosa	NCIMB 8626	x10^4 CFU	P2
MP-RTP7-S109	Salmonella enterica subsp. enterica	NCTC 6017	x10^7 CFU	P2
MP-RTP3-S103	Salmonella enterica subsp. enterica serovar Typhimurium	ATCC® 13311™*	x10^3 CFU	P2
MP-RTP7-S103	Salmonella enterica subsp. enterica serovar Typhimurium	ATCC® 13311™*	x10^7 CFU	P2
MP-RTP3-S018	Salmonella enterica subsp. enterica serovar Typhimurium	ATCC® 14028™*	x10^3 CFU	P2
MP-RTP4-S018	Salmonella enterica subsp. enterica serovar Typhimurium	ATCC® 14028™*	x10^4 CFU	P2
MP-RTP3-S039	Staphylococcus aureus subsp. aureus	ATCC® 25923™*	x10^3 CFU	P2
MP-RTP4-S039	Staphylococcus aureus subsp. aureus	ATCC® 25923™*	x10^4 CFU	P2
MP-RTP3-S048	Staphylococcus aureus subsp. aureus	ATCC® 6538P™*	x10^3 CFU	P2
MP-RTP3-S047	Staphylococcus aureus subsp. aureus	ATCC® 6538™*	x10^3 CFU	P2
MP-RTP7-S047	Staphylococcus aureus subsp. aureus	ATCC® 6538™*	x10^7 CFU	P2
MP-RTP4-S110	Staphylococcus aureus subsp. aureus	ATCC® 700699™*	x10^4 CFU	P2
MP-RTP3-S111	Staphylococcus aureus subsp. aureus	NCIMB 12702	x10^3 CFU	P2
MP-RTP4-S111	Staphylococcus aureus subsp. aureus	NCIMB 12702	x10^4 CFU	P2
MP-RTP3-S051	Staphylococcus epidermidis	ATCC® 12228™*	x10^3 CFU	P2
MP-RTP4-S051	Staphylococcus epidermidis	ATCC® 12228™*	x10^4 CFU	P2
MP-RTP8-S051	Staphylococcus epidermidis	ATCC® 12228™*	x10^8 CFU	P2
MP-RTP3-Z001	Zygosaccharomyces rouxii	ATCC® 28253™*	x10^3 CFU	P2

*) ATCC Licensed Derivative®

HYGIENE SCREENING TESTS

ProCheck

A ProCheck

A *ProCheck* Chemical Indicators are used for hygiene monitoring of surfaces, by testing them for remaining proteins. *ProCheck* can be used by producers, transporters and distributors of foodstuff and into restoration.

The aim of cleaning processes is to remove oddments and a majority of micro-organisms from surfaces. *ProCheck* allows controlling the performance of these processes, by testing the surfaces for remaining proteins.

ProCheck reveals albumin, which is present in a wide spectrum of oddments. *ProCheck* is not ATP depended.

The advantages of using *ProCheck* are:

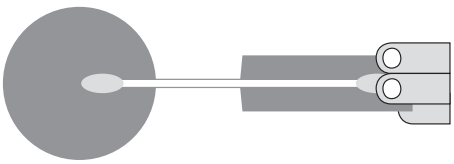
- Easy handling: It's easy to use *ProCheck*. Each Swab has two indicators for two cleaning control tests.
- Immediate evaluation: Thirty seconds after wiping the evaluation can be done. Quick evaluation allows an immediate corrective actions.
- Excellent price-performance ratio: *ProCheck* are delivered in boxes of 50 pieces, which gives you possibility to make 100 tests.
- A certificate of analysis for your QM documentation is included.

Procedure

1. Rip the swab at its perforation.

2. Hold the swab on one side with one hand and remove the other side of the packaging with the other hand.

3. Wipe the surface firmly with the unpackaged part of swab (Test 1)



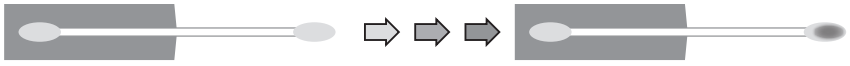
4. Return the used part of swab into its packaging.

5. Remove the packaging of the other side of the swab and wipe next surface firmly (Test 2)

Note: After opening, both parts of the swab have to be used within 1 hour.

Interpretation of the results

Whenever the surface is contaminated, the swab changes colour. The ProCheck-Indicator will turn light green, if up to 20 µg of proteins were present on the wiped surface. It will turn dark green, if up to 150 µg were present. The Intensity of the contamination can be determined by comparing with the following colour scale



Catalog number is **CC-4008.**

BIOLOGICAL INDICATORS

Spore Strips

Spore Strips are biological indicators for validation and monitoring of sterilization processes, working by steam, low temperature steam formaldehyde, ethylene oxide and dry heat. *Spore Strips* can have healthcare or industrial applications.

Spore Strips are special paper strips, which are inoculated with a defined quantity of bacterial spores. They are individually packaged in blue glassine envelopes. Mecconti *Spore Strips* exist as single or dual species.

To use *Spore Strips,* simply place the blue glassine envelope inside a product or product package. This „inoculated package" is placed in a sterilizer and processed. Upon removal from the sterilizer, the inoculated package is sent to the microbiology laboratory for transfer of the strip. It has to be ascetically cultured in Tryptic Soy Broth, and incubated at the appropriate temperature for 7 days.

Cat#	Description	Application	Units
BI-S01	B. atrophaeus Population: 10^6	Ethylene Oxide Dry heat	100
BI-S02	G. stearothermophilus Population: 10^5	Steam	100
BI-S03	G. stearothermophilus Population: 10^6	Steam	100
BI-S04	G. stearothermophilus Population: 10^6	Low temperature steam formaldehyde	100
BI-D01	Dual species B. atrophaeus Population: 10^6 G. stearothermophilus Population: 10^5	Steam Ethylene Oxide Dry Heat	100
BI-D02	Dual species B. atrophaeus Population: 10^6 G. stearothermophilus Population: 10^6	Steam Ethylene Oxide Dry Heat	100

Notes

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