

# JANUARY 2016

## PRODUCT INDEX ON REAR COVER



Whirl-Pak page 47

### LAKWOOD BIOCHEMICAL COMPANY, INC

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**ORDERING**

ORDER DESK IS OPEN 9AM TO 5PM CENTRAL STANDARD TIME. ORDERS MAY BE PLACED BY TELEPHONING OUR TOLL FREE NUMBER:

**1-800-441-0401 or 214-319-2590,  
OR BY FAXING  
1-214-320-0412**

**DELIVERY**

ALL ORDERS ARE F.O.B. LBC UNLESS OTHERWISE ARRANGED. COST OF SHIPMENTS IS PREPAID AND ADDED TO THE INVOICE. QC MICROORGANISMS, MANY STAINS & REAGENTS MAY CARRY A HAZARDOUS MATERIAL FEES

**PRICES**

PRICE DISCOUNTS FOR ROUTINE ORDERS OF PREPARED CULTURE MEDIA ARE BASED ON THE CUSTOMERS ANNUAL USAGE. PRICES FOR PRODUCTS ARE SUBJECT TO CHANGE AS PRICE INCREASES FROM THE VARIOUS MANUFACTURERS ARE ENCOUNTERED.

**PRICE CODE TABLES ARE ON PAGE 47**

**TERMS**

Net 30 days or by Credit Card. American Express Discover, Master Card and Visa accepted

**RETURNS**

DUE TO THE NATURE OF THE CULTURE MICROORGANISM PRODUCTS, ORDERS ARE NONRETURNABLE. PLEASE MAKE SURE ITEMS YOU ORDER ARE THE ONES YOU WANT. DAMAGED OR NONPERFORMING PRODUCT WILL BE REPLACED.

**QUALITY CONTROL**

ALL MANUFACTURERS OF MEDICAL DEVICES MUST CONFORM TO THE GOOD MANUFACTURING PRACTICES AND TO GUIDELINES SET FORTH BY THE FOOD AND DRUG ADMINISTRATION. ALL PRODUCTS ARE PERFORMANCE GUARANTEED.

**INOCU-SWABS™**



INOCU-SWABS CONSISTS OF A LYOPHILIZED PELLET CONTAINING THE MICROORGANISM INSIDE A CULTURE DEVICE. THE CULTURE SYSTEM DEVICE CONSISTS OF 4 MAIN PARTS. THE STERILE SWAB, THE REHYDRATION FLUID, A SNAP VALVE AND THE LYOPHILIZED PELLET. TO USE, GENTLY BEND TO BREAK THE RED SNAP VALVE. SQUEEZE THE CAP TO REHYDRATE THE PELLET. GENTLY SHAKE AND TRANSFER TO SUITABLE MEDIA. *INOCU-SWAB™* IS A REGISTERED TRADEMARK OF GIBSON LABORATORIES. SEE PAGE 3 FOR MORE DETAILS.

**CATALOG NUMBER PREFIX**

**A “CS “ CATALOG PREFIX** INDICATES THE INOCUSWAB 5 PACK WHICH CONTAINS 5 THE SAME MICROORGANISM.

**A “DP PREFIX** INDICATES INOCU-SWAB 2 PACK OF THE SAME MICROORGANISM.

**MINIMUM ORDER**

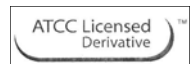
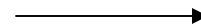
INOCUSWAB BRAND REQUIRES A 2 PACK MINIMUM ORDER.

**SHIPPING**

ORDERS ARE SHIPPED DIRECT FROM THE MANUFACTURER..

**ATCC LICENSE DERIVATIVE PROGRAM**

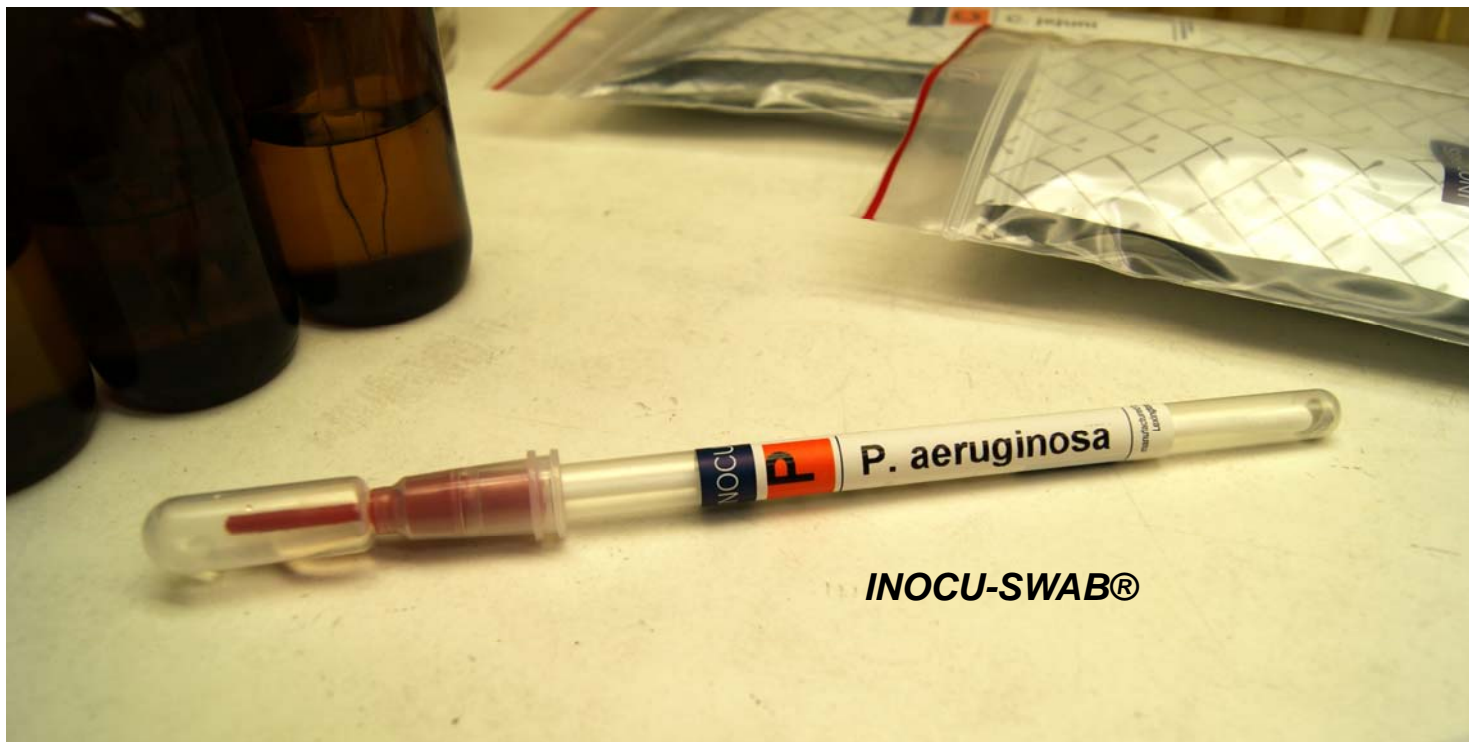
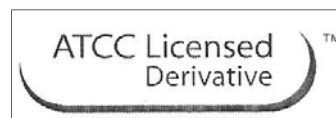
*This logo is the*



**REGISTERED TRADEMARK OF  
AMERICAN TYPE CULTURE COLLECTION**

ATCC LICENSED DERIVATIVE PRODUCTS CARRYING THIS LOGO REQUIRE AN “END USER AGREEMENT” ON FILE BEFORE SHIPMENTS CAN BE MADE. THE LICENSE AGREEMENT IS AVAILABLE ON OUR WEBSITE WWW.LAKEWOODBIO.COM OR BY CALLING OUR OFFICES. THIS IS A ONE TIME SUBMISSION.





**INOCU-SWAB®**

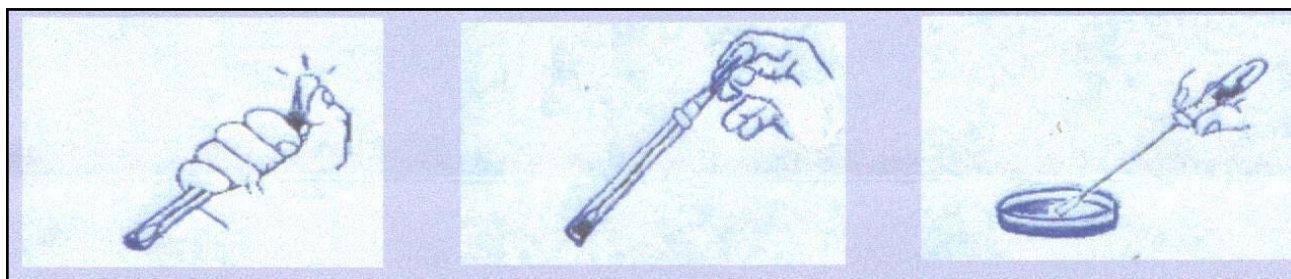
***FORMAT PROVIDES INCREASED VIABILITY AND INCLUDE  
A BUILT IN REHYDRATION SYSTEM FOR EASIER USE.***

***PRODUCT DESCRIPTION***

*EACH INOCU-SWAB™ CONSISTS OF A LYOPHILIZED PELLET INSIDE A CULTURE SYSTEM WHICH CONTAINS A STERILE SWAB AND REHYDRATION FLUID.*

***PROCEDURE***

- 1. BREAK THE RED "SNAP" VALVE BY BENDING TO 45° ANGLE*
- 2. GENTLY SQUEEZE THE CAP TO REHYDRATE THE ENCLOSED LYOPHILIZED PELLET*
- 3. GENTLY MIX — SWAB WILL ABSORB THE REHYDRATED MICROORGANISM*
- 4. REMOVE DEVICE CAP AND INOCULATE A SUITABLE CULTURE MEDIA WITH SWAB.*



ATCC Licensed  
Derivative

INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS49176	D	ABIOTROPHIA DEFECTIVA	49176
CS27061	D	ACHROMOBACTER XYLOSOXIDANS	27061
CS1007	B	ACINETOBACTER BAUMANNI	19606
CSBAA747	D	ACINETOBACTER BAUMANNI	BAA 747
CS1009	D	ACINETOBACTER BAUMANNII	BSS 1605
CS0503	D	ACINETOBACTER LWOFFI	17925
CS0501	C	ACINETOBACTER sp.	49139
CS1002	C	ACINETOBACTER sp.	49137
CS1008	C	ACINETOBACTER sp.	49466
CS27090	D	ACTINOBACILLUS PLEUROPNEUMONIAE	27090
CS0500	D	ACTINOMYCES ODONTOLYTICUS	17929
CS15987	D	ACTINOMYCES VISCOUS	15987
CS0006	D	AEROCOCCUS VIRIDANS	700406
CS1003	C	AEROMONAS HYDROPHILIA	49140
CS1013	C	AEROMONAS HYDROPHILIA	35654
CS1020	C	AEROMONAS HYDROPHILIA	7966
CS0058	D	AEROMONAS SALMONICIDA	33658
CS3002	C	AGGREGATIBACTER APHROPHILUS	19415
CS3901	C	AGGREGATIBACTER APHROPHILUS	49146
CS1006	C	ALCALIGENES FAECALIS subspp faecalis	8750
CS1011	C	ALCALIGENES FAECALIS subspp faecalis	35655
CS0502	D	ARCANOBACTERIUM PYOGENES	49698
CS19411	D	ARCANOBACTERIUM PYOGENES	19411
CS1100	D	ASPERGILLUS BRASILIENSIS	16404
CS1105	D	ASPERGILLUS FUMIGATUS	204305
CS23842	D	BACILLUS AMYLOLIQUEFACIENS	23842
CS9372	D	BACILLUS ATROPHAERUS 9372	9372
CS0998	B	BACILLUS CEREUS	10876
CS1217	D	BACILLUS CEREUS	14579
CS1220	B	BACILLUS CEREUS (FDA STRAIN)	11778
CS4513	A	BACILLUS CIRCULANS	4513
CS14580	D	BACILLUS LICHENIFORMIS	14580
CS6458	D	BACILLUS MEGATERIUM	6458
CS14884	D	BACILLUS PULILUS	14884
CS21143	D	BACILLUS PUMILUS	21143
CS1221	B	BACILLUS SUBTILIS SUBSPECIES SPIZIZENII	6633
CS1220	B	BACILLUS CEREUS	11778
CS1250	D	BACTERIOIDES FRAGILIS	25285
CS1251	C	BACTERIOIDES FRAGILIS	23745
CS1222	C	BACTERIOIDES OVATUS	8483
CSBAA1296	C	BACTERIOIDES OVATUS	BAA 1296
CSBAA1304	C	BACTERIOIDES OVATUS	BAA 1304
CS1260	C	BACTERIOIDES THETA IOTAOMICRON	29741
CS1259	C	BACTERIOIDES UNIFORMIS	8492
CS1201	C	BACTERIOIDES UREOLYTICUS	33387
CS1262	D	BACTERIOIDES VULGATIS	29327
CS1261	C	BACTERIOIDES VULGATUS	8482
CS1223	D	BORDETELLA BRONCHISEPTICA	4617
CS1224	D	BORDETELLA BRONCHISEPTICA	10580
CS15311	D	BORDETELLA PARAPERTUSSIS	15311
CS0489	D	BORDETELLA PERTUSSIS	8467
CS19146	D	BREVUNDIMONAS DIMINUTA	19146

Inocuswab	Price Code	Description	ATCC
CS1232	C	BURKHOLDERIA CEPATIA	25608
CS5220	C	BURKHOLDERIA CEPATIA	25416
CS43478	D	CAMPLYOACTER COLI	43478
CS0325	D	CAMPLYOACTER JEJUNI	29428
CS49943	D	CAMPLYOACTER JEJUNI	49943
CS1400	D	CAMPLYOACTER JEJUNI subspp jejuni	33291
CS7070	D	CAMPLYOACTER JEJUNI subspp jejuni	33292
CS1508	D	CANDIA GLABRATA	90030
CS1519	D	CANDIA PARAPSILOSIS	90018
CS1495	D	CANDIDA ALBICANS	66027
CS1501	D	CANDIDA ALBICANS	14053
CS1503	D	CANDIDA ALBICANS	10231
CS1506	D	CANDIDA ALBICANS	90028
CS1509	D	CANDIDA ALBICANS	24433
CS64548	D	CANDIDA ALBICANS	64548
CS1239	D	CANDIDA ALBICANS	36232
CS1502	D	CANDIDA ALBICANS	60193
CS0040	D	CANDIDA GLABRATA	15126
CS1504	D	CANDIDA GLABRATA	2001
CS1511	D	CANDIDA GLABRATA	66032
CS1521	D	CANDIDA GUILLIERMONDII	6260
CS1507	D	CANDIDA KEFYR	2512
CS1512	D	CANDIDA KEFYR	66028
CS1510	D	CANDIDA KRUSEI	14243
CS1515	D	CANDIDA PARAPSILOSIS	34136
CS1518	D	CANDIDA PARAPSILOSIS	22019
CS1240	D	CANDIDA TROPICALIS	750
CS13803	D	CANDIDA TROPICALIS	13803
CS1517	D	CANDIDA TROPICALIS	66029
CS9031	D	CARDIOBACTERIUM HOMONIS	14900
CS49471	C	CHRYSEOBACTERIUM INDOLOGENES	49471
CS1800	B	CITROBACTER FREUNDII	8090
CS43864	C	CITROBACTER FREUNDII	43864
CS8454	C	CITROBACTER FREUNDII	8454
CS1612	D	CLOSTRIDIUM DIFFICILE	43593
CS9030	D	CLOSTRIDIUM RAMOSUM	13937
CS1610	D	CLOSTRIDIUM DIFFICILE	9689
CS1601	D	CLOSTRIDIUM HISTOLYTICUM	19401
CS1605	D	CLOSTRIDIUM NOVYI +	7659
CS1600	D	CLOSTRIDIUM PERFRINGENS	13424
CS1600	D	CLOSTRIDIUM PERFRINGENS	13124
CS12464	D	CLOSTRIDIUM SEPTICUM	12464
CS1602	D	CLOSTRIDIUM SORDELLI	9714
CS1700	D	CLOSTRIDIUM SPOROGENES	19404
CS1701	D	CLOSTRIDIUM SPOROGENES	3584
CS1703	D	CLOSTRIDIUM SPOROGENES	11437
CS1611	D	CLOSTRIDIUM DIFFICILE	BAA 1870
CS10701	D	CORYNEBACTERIUM PSEUDODIPHTHERITICUM	10701
CS1902	C	CORYNEBACTERIUM PSEUDODIPHTHERITICUM	10700
CSBAA1293	D	CORYNEBACTERIUM STRIATUM	BAA 1293
CS1905	D	CORYNEBACTERIUM XEROSIS	373
CS51329	D	CRONOBACTER MUYTJENSII	51329



INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS1710	D	CRYPTOCOCCUS ALBIDUS	66030
CS1811	D	CRYPTOCOCCUS ALBIDUS	10666
CS1813	D	CRYPTOCOCCUS ALBIDUS	34140
CS1101	D	CRYPTOCOCCUS HUMICOLA	9949
CS1241	D	CRYPTOCOCCUS LAURENTII	18803
CS1711	D	CRYPTOCOCCUS LAURENTII	66036
CS1910	D	CRYPTOCOCCUS LAURENTII	76483
CS10671	D	CRYPTOCOCCUS LUTEOLUS	10671
CS0334	D	CRYPTOCOCCUS NEOFORMANS	32045
CS1712	D	CRYPTOCOCCUS NEOFORMANS	66031
CS1812	D	CRYPTOCOCCUS NEOFORMANS	14116
CS1912	D	CRYPTOCOCCUS NEOFORMANS	76484
CS204092	D	CRYPTOCOCCUS NEOFORMANS	204092
CS34877	D	CRYPTOCOCCUS NEOFORMANS	34877
CS1713	D	CRYPTOCOCCUS UNIGUTTULATUS	66033
CS15668	D	DELFTIA ACIDOVORANS	15668
CS1951	D	EGGERTHELIA LENTA	43055
CSBAA1152	D	EIKENELLA CORRODENS	BAA 1152
CS2002	C	ELIZABETHKINGIA MENINGOSEPTICA	13253
CS7080	B	ENTEROBACTER AEROGENES	13048
CS7081	D	ENTEROBACTER AEROGENES	35028
CS7082	D	ENTEROBACTER AEROGENES	51697
CS1972	D	ENTEROBACTER CLOACAE	49141
CS7090	B	ENTEROBACTER CLOACAE	13047
CS7091	B	ENTEROBACTER CLOACAE	23355
CS700323	C	ENTEROBACTER CLOACAE+J681	700323
CS1940	D	ENTEROBACTER GERGOVIA	33028
CS1750	D	ENTEROBACTER SAKAZAKII	29544
CS7086	C	ENTEROCOCCUS (HIRAE) J580DURANS	49135
CS7028	C	ENTEROCOCCUS AVIUM	14025
CS9227	C	ENTEROCOCCUS CASSELI FLAVUS	700327
CS1957	C	ENTEROCOCCUS DURANS	11576
CS7029	C	ENTEROCOCCUS DURANS	19432
CS7032	C	ENTEROCOCCUS DURANS	6056
CS0497	D	ENTEROCOCCUS FAECALIS	7080
CS1990	C	ENTEROCOCCUS FAECALIS	19433
CS4620	D	ENTEROCOCCUS FAECALIS	33186
CS7026	C	ENTEROCOCCUS FAECALIS	49532
CS7038	D	ENTEROCOCCUS FAECALIS	49533
CS7087	D	ENTEROCOCCUS FAECALIS	49149
CS1996	C	ENTEROCOCCUS FAECALIS Vancomycin resistant	51299
CS7030	C	ENTEROCOCCUS FAECALIS gp. D	29212
CS1956	C	ENTEROCOCCUS FAECIUM	35667
CS51559	D	ENTEROCOCCUS FAECIUM	51559
CS6057	C	ENTEROCOCCUS FAECIUM	6057
CS0025	C	ENTEROCOCCUS GALLINARIUM	700425
CS10541	C	ENTEROCOCCUS HIRAE	10541
CS1952	D	ENTEROCOCCUS HIRAE	49479
CS8043	D	ENTEROCOCCUS HIRAE	8043
CS1994	C	ENTEROCOCCUS RAFFINOSUS	49464
CS1991	D	ENTEROCOCCUS SACCHAROLYTICUS	43076
CS1977	C	EPIDERMPPHYTON FLOCCOSSOM	52066
CS1978	C	ERYSIPELOTHRIX RHUSIOPATHIAE	19414

ATCC Licensed  
Derivative

# INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS43894	C	ESCHERICHIA COLI	43894
CS1988	D	ESCHERICHIA COLI (NON TXIC 0157 STRAIN)	43888
CS10536	D	ESCHERICHIA COLI	10536
CS11229	D	ESCHERICHIA COLI	11229
CS11303	D	ESCHERICHIA COLI	11303
CS15224	D	ESCHERICHIA COLI	15224
CS1969	D	ESCHERICHIA COLI	14948
CS1971	C	ESCHERICHIA COLI	35218
CS1989	C	ESCHERICHIA COLI	11775
CS43890	D	ESCHERICHIA COLI	43890
CS51755	D	ESCHERICHIA COLI	51755
CS5412	C	ESCHERICHIA COLI	35412
CS7085	C	ESCHERICHIA COLI	8739
CS9637	D	ESCHERICHIA COLI	9637
CS9421	C	ESCHERICHIA COLI	35421
CS1446	C	ESCHERICHIA COLI for ESBL testing	51446
CS7050	B	ESCHERICHIA COLI (FDA STRAIN) susceptibility	25922
CS1900	D	EXIGUOBACTERIUM MEXICANUM	49676
CS5002	D	FINEGOLIA MAGNA	29328
CS33217	D	FLUORIBACTER (LEGIONELLA) BOZEMANII	33217
CS2010	D	FUSOBACTERIUM NUCLEATUM + subsp nucleatum	25586
CS2050	C	GARDNERELLA VAGINALIS	14018
CS2051	C	GARDNERELLA VAGINALIS	49145
CS1219	D	GEOBACILLUS STEAROTHERMOPHILUS	7953
CS12976	D	GEOBACILLUS STEAROTHERMOPHILUS	12976
CS12980	C	GEOBACILLUS STEAROTHERMOPHILUS	12980
CS6800	D	GEOTRICHUM CAPITATUM	10663
CS4001	D	HAEMOPHILUS APHROHILUS	33389
CS3790	D	HAEMOPHILUS HAEMOLYTICUS	33390
CS3801	C	HAEMOPHILUS INFLUENZAE	49144
CS3840	D	HAEMOPHILUS INFLUENZAE	35056
CS3903	C	HAEMOPHILUS INFLUENZAE	33930
CS3806	C	HAEMOPHILUS INFLUENZAE	49766
CS3830	C	HAEMOPHILUS INFLUENZAE	49247
CS3851	C	HAEMOPHILUS INFLUENZAE biovar III	19418
CS3800	C	HAEMOPHILUS INFLUENZAE CL511	CL 511
CS3805	C	HAEMOPHILUS INFLUENZAE type A	9006
CS3900	C	HAEMOPHILUS INFLUENZAE type B (BL+)	33533
CS3807	D	HAEMOPHILUS INFLUENZAE	9007
CS3810	C	HAEMOPHILUS INFLUENZAE type B (BL-)	10211
CS9034	D	HAEMOPHILUS INFLUENZAE type F-Biovar I	9833
CS3003	C	HAEMOPHILUS PARA HAEMOLYTICUS	10014
CS4000	C	HAEMOPHILUS PARAINFLUENZAE	7901
CS1505	C	HAEMOPHILUS PARAINFLUENZAE	51505
CS49917	D	HAEMOPHILUS PARAPHRIPHILUS	49917
CS6258	D	ISSATCHENKIA ORIENTALIS	6258
CS23330	D	KINGELLA KINGAE	23330
CS3006	C	KLEBSIELLA OXYTOCA	43086
CS700324	C	KLEBSIELLA OXYTOCA	700324
CS7019	B	KLEBSIELLA OXYTOCA	49131
CSBAA1705	C	KLEBSIELLA PNEUMONIAE	BAA 1705
CSBAA1706	C	KLEBSIELLA PNEUMONIAE	BAA 1706
CS7039	D	KLEBSIELLA PNEUMONIAE	BAA 2146
CS3915	D	KLEBSIELLA PNEUMONIAE subsp pneumoniae	9997



INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS3921	D	KLEBSIELLA PNEUMONIAE subsp pneumoniae	23357
CS3922	D	KLEBSIELLA PNEUMONIAE subsp pneumoniae	35657
CS3930	C	KLEBSIELLA PNEUMONIAE subsp pneumoniae	10031
CS7021	C	KLEBSIELLA PNEUMONIAE subsp pneumoniae	33495
CS7031	A	KLEBSIELLA PNEUMONIAE subsp pneumoniae	27736
CS7036	D	KLEBSIELLA PNEUMONIAE subsp pneumoniae	13882
CS7037	A	KLEBSIELLA PNEUMONIAE subsp pneumoniae	13883
CS7603	D	KLEBSIELLA PNEUMONIAE subsp pneumoniae	700603
CS31488	D	KLEBSIELLA PNEUMONIAE SUBSP. PNEUMONIAE	31488
CS7022	D	KLEBSIELLA PNEUMONIAE SUBSP. PNEUMONIAE	4352
CSBAA752	D	KOCURIA KRISTINAE	BAA 752
CS4070	C	KOCURIA RHIZOPHILIA (MICROCOCCUS LUTEUS)	533
CS4075	D	KOCURIA RHIZOPLILIA	9341
CS0186	D	KOCURIA ROSEA	186
CS43195	D	KURTHIA GIBSONII	43195
CS3007	D	LACTOBACILLUS ACIDOPHILUS	4356
CS3008	D	LACTOBACILLUS CASEI	393
CS3925	D	LACTOBACILLUS LACTIS subsp lactis	11454
CS3011	D	LACTOBACILLUS LEICHMANNII	4797
CS3009	D	LACTOBACILLUS PARACASEI	BAA 52
CS8014	D	LACTOBACILLUS PLANTARUM	8014
CS7469	D	LACTOBACILLUS RHAMNOSUS	7469
CS7469	D	LACTOBACILLUS RHAMNOSUS	7649
CS3013	D	LACTOCOCCUS LACTIS SUBSP. LACTIS	19435
CS3926	C	LECLERCIA ADECARBOXYLATA	23216
CS33152	D	LEGIONELLA PNEUMOPHILA subsp pneumoniae fluorescent	33152
CS2540	D	LISTERIA GRAYI	25401
CS33090	D	LISTERIA INNOCUA serogroup 6a	33090
CS3960	D	LISTERIA INNOCUA VC	32293
CS0016	D	LISTERIA IVANOVII	19119
CS13932	D	LISTERIA MONOCYTOGENES	13932
CS19117	D	LISTERIA MONOCYTOGENES	19117
CS3970	D	LISTERIA MONOCYTOGENES	7644
CSBAA751	D	LISTERIA MONOCYTOGENES	BAA 751
CS19111	D	LISTERIA MONOCYTOGENES serotype 1	19111
CS35967	D	LISTERIA SEELIGERI	35967
CS35897	D	LISTERIA WELSHIMERI	35897
CS1229	D	LYSINIBACILLUS SPHAERICUS	4525
CS8208	B	MACORCOCCUS CASEOLYTICUS	35662
CS9921	D	MALASSEZIA FURFUR	14521
CS10240	D	MICROCOCCUS LUTEUS	10240
CS4080	C	MICROCOCCUS LUTEUS	49732
CS4698	D	MICROCOCCUS LUTEUS	4698
CS0005	D	MICROCOCCUS sp.	700405
CS4100	D	MICROSPORUM CANIS	11621
CS1227	C	MORAXELL (BRANHAMELLA) CATARRHALIS	49143
CS1228	C	MORAXELL (BRANHAMELLA) CATARRHALIS	8176
CS1230	C	MORAXELL (BRANHAMELLA) CATARRHALIS	25238
CS1231	C	MORAXELL (BRANHAMELLA) CATARRHALIS	25240
CS2324	C	MORAXELL (BRANHAMELLA) CATARRHALIS	23246
CS4020	C	MORAXELLA OSLOENSIS	10973
CS25830	D	MORGANELLA MORGANII biogroup A	25830
CS2003	D	MYROIDES ODORATUS	4651

ATCC Licensed  
Derivative

INOCUSWAB QC MICROORGANISMS



Inocuwab	Price Code	Description	ATCC
CS7041	C	NEISSERIA GONORRHOEAE	19424
CS7042	C	NEISSERIA GONORRHOEAE	31426
CS7075	D	NEISSERIA GONORRHOEAE	49981
CS9006	C	NEISSERIA GONORRHOEAE CDC 10,001Vref strain	49226
CS7043	C	NEISSERIA GONORRHOEAE CDC Ng-116	43069
CS7044	C	NEISSERIA GONORRHOEAE CDC Ng-98	43070
CS4027	C	NEISSERIA LACTAMICA	49142
CS7045	C	NEISSERIA LACTAMICA	23970
CS7145	C	NEISSERIA LACTAMICA	23971
CS7048	C	NEISSERIA MENINGITIDIS serogp A	13077
CS7049	C	NEISSERIA MENINGITIDIS serogp B	13090
CS9007	C	NEISSERIA MENINGITIDIS serogp C	13102
CS7055	D	NEISSERIA MUCOSA	49233
CS7150	C	NEISSERIA MUCOSA	19695
CS7046	C	NEISSERIA PERFLAVA	14799
CS7047	C	NEISSERIA SICCA + atypical	9913
CS7158	D	NOCARDIA ASTEROIDES	19247
CS9011	D	NOCARDIA BRASILIENSIS	19296
CS7156	D	NOCARDIA FARCINCA (ASTEROIDES)	3308
CS1014	C	OCHROBACTRUM ANTHROPI	BAA 749
CS49687	D	OCHROBACTRUM ANTHROPI	49687
CS4175	C	OLIGELLA UREOLYTICA	43534
CS4022	C	OLIGELLA URETHRALIS	17960
CS0842	D	PAENIBACILLUS POLYMYXA	842
CS1226	D	PARABACTEROIDES DISTASONIS	8503
CSBAA1295	D	PARABACTEROIDES DISTASONIS	BAA 1295
CS7203	D	PARVIMONAS MICRA	33270
CS7201	D	PASTEURELLA MULTOCIDA	43137
CS29358	D	PEDIOCOCCUS DAMNOSUS	29358
CS7202	D	PENICILLUM CHRYSOGENUM	10106
CS7051	D	PEPTOSTREPTOCOCCUS ANAEROBIUS	27337
CS5001	C	PEPTOSTREPTOCOCCUS ASACCHAROLYTUCUS	29743
CS48069	D	PHYTOPHTHORA SOJAE	48069
CS5035	D	PLESIOMONAS SHIGELLOIDES	14029
CS7218	C	PLESIOMONAS SHIGELLOIDES	51903
CS1263	D	PORPHYROMONAS (BACTERIOIDES) LEVII	29147
CS9008	D	PORPHYROMONAS GINGIVALIS	33277
CS15032	D	PREVOTELLA INTERMEDIA	15032
CS15930	D	PREVOTELLA LOESCHEII	15930
CS25845	D	PREVOTELLA MELANINOGENICA	25845
CS7052	C	PROPIONIBACTERIUM ACNES	11827
CS7057	B	PROTEUS HAUSERI (PROTEUS VULGARIS)	13315
CS25933	D	PROTEUS MIRABILIS	25933
CS5055	C	PROTEUS MIRABILIS	29906
CS7053	B	PROTEUS MIRABILIS	7002
CS7054	B	PROTEUS MIRABILIS	29245
CS7077	D	PROTEUS MIRABILIS	35659
CS7059	B	PROTEUS MIRABILIS	12453
CS7073	B	PROTEUS MIRABILIS	43071
CS5151	B	PROTEUS VULGARIS	49132
CS7058	B	PROTEUS VULGARIS	8427
CS7069	B	PROTEUS VULGARIS OX19 strain	6380
CS5169	B	PROVIDENCIA ALCALIFACEINS	51902



INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS5170	C	PROVIDENCIA STUARTII	33672
CS5171	C	PROVIDENCIA STUARTII	49809
CS15442	C	PSEUDOMONAS AERUGINOSA	15442
CS25668	D	PSEUDOMONAS AERUGINOSA	25668
CS5200	C	PSEUDOMONAS AERUGINOSA	35422
CS5210	B	PSEUDOMONAS AERUGINOSA	9027
CS7065	B	PSEUDOMONAS AERUGINOSA	10145
CS7066	C	PSEUDOMONAS AERUGINOSA	25619
CS7068	D	PSEUDOMONAS AERUGINOSA	9721
CS7079	D	PSEUDOMONAS AERUGINOSA	BAA 1744
CS7060	A	PSEUDOMONAS AERUGINOSA	27853
CS7216	C	PSEUDOMONAS FLUORESCENS	13525
CS7074	D	PSEUDOMONAS PUTIDA	49128
CS19144	D	PSEUDOMONAS SP.	19144
CS7211	D	PSEUDOMONAS STUTZERI	17588
CS19429	D	PSEUDOMONAS AERUGINOSA	19429
CS5209	C	RALSTONIA INSIDIOSA	49129
CS7212	D	RHIZOPUS STOLONIFER	14037
CS5400	D	RHODOCOCCUS EQUI	6939
CS2601	D	SACCHAROMYCES CEREVISIAE	2601
CS32701	D	SACCHAROMYCES CEREVISIAE	32701
CS6900	D	SACCHAROMYCES CEREVISIAE	4098
CS9763	D	SACCHAROMYCES CEREVISIAE	9763
CS0905	D	SALMOMELLA ENTERICA	19430
CS6017	D	SALMONELLA ABONY	6017
CS10708	D	SALMONELLA CHORERAESUIS subsp chlorerasuis	10708
CS12325	D	SALMONELLA ENTERICA	12325
CS19945	D	SALMONELLA ENTERICA	19945
CS6003	C	SALMONELLA ENTERICA	8759
CS8200	C	SALMONELLA ENTERICA	13076
CS9311	D	SALMONELLA ENTERICA	13311
CS8203	C	SALMONELLA ENTERICA spcholerasuis sero Typhi	6539
CS35640	D	SALMONELLA ENTERICA (SEROVAR ABAETUBA)	35640
CS6002	D	SALMONELLA ENTERICA (SEROVAR PARATYPHI B)	29631
CS6006	C	SALMONELLA ENTERICA GP E subsp cholrerasuis	9270
CS13314	D	SALMONELLA ENTERICA subsp arizonae	13314
CS0903	C	SALMONELLA ENTERICA SUBSP ENTERICA SERVAR CHOLERASEUS	12011
CS0344	C	SALMONELLA ENTERICA SUBSP. ENTERICA SEROVAR TALLAHASSEE	12002
CS0342	C	SALMONELLA ENTERICA SUBSP. ENTERICA SEROVAR VELLORE	15611
CS0341	C	SALMONELLA ENTERICA SUBSP. SEROVAR PARATYPHI A	9150
CS6000	C	SALMONELLA ENTERICA subsp cholerasuis serotyp Typhimurium	14028
CS6001	C	SALMONELLA ENTERICA subsp diarizonae	29226
CS8202	C	SALMONELLA GROUP D, NOT TYPHI BF-SD	BF-SD
CS35664	D	SALMONELLA SP	35664
CS8000	C	SERRATIA LIQUIFACIENS	27592
CS8001	C	SERRATIA MARCESCENS	8100
CS8002	C	SERRATIA MARCESCENS	13880
CSCLD1	D	SERRATIA MARCESCENS	CL D1
CS27857	D	SERRATIA MARCESCENS	27857
CS9004	D	SERRATIA MARCESCENS (FDA STRAIN) PIGMENTED	14756
CS2000	C	SERRATIA ODERIFERA	33077
CS8010	D	SERRATIA RUBIDAEA	33670
CS1004	C	SHEWANELLA PUTREFAEINS	49138



INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS7071	D	SHEWANELLA PUTREFAEINS	8071
CS8110	C	SHIGELLA BOYDII GP C serotp 1	9207
CS8115	C	SHIGELLA DYSENTERIAE GROUP A	13313
CS8101	C	SHIGELLA FLEXNERI + GP B serotp 2b	12022
CS8151	B	SHIGELLA SONNIE + GROUP D	9290
CS8150	C	SHIGELLA SONNIE GROUP D	25931
CS2004	C	SPHINGOBACTERIUM MULTIVORUM	35656
CS12417	D	SPHINGOBACTERIUM TRUEPERI	12417
CS0423	C	SPREPTOCOCCUS MITIS	6249
CS12598	C	STAPHYLOCOCCUS AUREUS	12598
CS29737	D	STAPHYLOCOCCUS AUREUS	29737
CS31153	D	STAPHYLOCOCCUS AUREUS	31153
CS6507	D	STAPHYLOCOCCUS AUREUS	12600
CS6508	C	STAPHYLOCOCCUS AUREUS	51153
CS6509	D	STAPHYLOCOCCUS AUREUS	19095
CS6510	D	STAPHYLOCOCCUS AUREUS	49476
CS7003	C	STAPHYLOCOCCUS AUREUS	33591
CS7007	D	STAPHYLOCOCCUS AUREUS	25904
CS7008	B	STAPHYLOCOCCUS AUREUS	33862
CS7011	A	STAPHYLOCOCCUS AUREUS	29213
CS7015	D	STAPHYLOCOCCUS AUREUS	700698
CS7016	C	STAPHYLOCOCCUS AUREUS	6538
CS7020	D	STAPHYLOCOCCUS AUREUS	700699
CS9002	C	STAPHYLOCOCCUS AUREUS	6538P
CS9022	C	STAPHYLOCOCCUS AUREUS	43300
CS9144	D	STAPHYLOCOCCUS AUREUS	9144
CSBAA1026	D	STAPHYLOCOCCUS AUREUS	BAA 1026
CSBAA976	D	STAPHYLOCOCCUS AUREUS	BAA 976
CSBAA977	D	STAPHYLOCOCCUS AUREUS	BAA 977
CS7010	A	STAPHYLOCOCCUS AUREUS	25923
CS9023	D	STAPHYLOCOCCUS AUREUS	14775
CS8207	B	STAPHYLOCOCCUS CAPITIS	35661
CS6501	B	STAPHYLOCOCCUS EPIDERMIDIS	14990
CS7017	C	STAPHYLOCOCCUS EPIDERMIDIS	49134
CS8209	D	STAPHYLOCOCCUS EPIDERMIDIS	29887
CS6500	B	STAPHYLOCOCCUS EPIDERMIDIS	12228
CS6600	D	STAPHYLOCOCCUS HAEMOLYTICUS	29970
CS8211	D	STAPHYLOCOCCUS HOMINIS	27844
CS29663	D	STAPHYLOCOCCUS INTERMEDIUS	29663
CS0003	D	STAPHYLOCOCCUS LENTUS	700403
CS7276	D	STAPHYLOCOCCUS LUGDUNENSIS	49576
CS49444	C	STAPHYLOCOCCUS PSEUDINTERMEDIUS	49444
CS7014	B	STAPHYLOCOCCUS SAPROPHYTICUS	15305
CS8213	D	STAPHYLOCOCCUS SAPROPHYTICUS	35552
CS8214	D	STAPHYLOCOCCUS SAPROPHYTICUS	49453
CS9020	D	STAPHYLOCOCCUS SAPROPHYTICUS	49907
CSBAA750	D	STAPHYLOCOCCUS SAPROPHYTICUS	BAA 750
CS29061	D	STAPHYLOCOCCUS SCIURI subsp sciuri	29061
CS7012	C	STAPHYLOCOCCUS SCIURI subsp sciuri	29060
CS0004	D	STAPHYLOCOCCUS XYLOSUS	700404
CS6502	C	STAPHYLOCOCCUS XYLOSUS	29971
CS6504	D	STAPHYLOCOCCUS XYLOSUS	29967
CS6505	D	STAPHYLOCOCCUS XYLOSUS	35663



**INOCUSWAB QC MICROORGANISMS**

INOCUSWAB QC MICROORGANISMS

Inocuswab	Price Code	Description	ATCC
CS7018	D	STAPHYLOCOCCUS XYLOSUS	49148
CS0001	D	STENOTROPHOMONAS MALTOPHILIA	51331
CS17666	C	STENOTROPHOMONAS MALTOPHILIA	17666
CS7067	B	STENOTROPHOMONAS MALTOPHILIA	13637
CS0436	B	STREPTOCOCCUS AGALACTIAE	27956
CS7005	D	STREPTOCOCCUS AGALACTIAE	CL 810
CS8250	B	STREPTOCOCCUS AGALACTIAE GROUP B	13813
CS7027	C	STREPTOCOCCUS AGALACTIE GROUP B	12386
CS33397	D	STREPTOCOCCUS ANGINOSUS	33397
CS33317	D	STREPTOCOCCUS BOVIS	33317
CS7083	C	STREPTOCOCCUS BOVIS	35034
CS8217	C	STREPTOCOCCUS DYSGALACTIAE	35666
CS7035	C	STREPTOCOCCUS DYSGALACTIAE subsp equisimilis	12388
CS8219	C	STREPTOCOCCUS DYSGALACTIAE subsp equisimilis	12394
CS0000	C	STREPTOCOCCUS EQUI subsp ZOOEPIDEMICUS	700400
CS1001	C	STREPTOCOCCUS EQUI GROUP C	9528
CS1005	D	STREPTOCOCCUS EQUI subsp ZOOEPIDEMICUS	43079
CS7025	C	STREPTOCOCCUS GALLYTICUS	9809
CS7078	C	STREPTOCOCCUS GALLYTICUS	49147
CS8175	D	STREPTOCOCCUS GALLYTICUS	49475
CS25175	C	STREPTOCOCCUS MUTANS	25175
CS7002	C	STREPTOCOCCUS MUTANS	35668
CS8220	C	STREPTOCOCCUS ORALIS (Streptococcus mitis)	9811
CS7079	C	STREPTOCOCCUS PASTEURIANUS	49133
CS6901	B	STREPTOCOCCUS PNEUMONIAE	49150
CS7004	C	STREPTOCOCCUS PNEUMONIAE	49136
CS7024	C	STREPTOCOCCUS PNEUMONIAE	6305
CS7033	C	STREPTOCOCCUS PNEUMONIAE	27336
CS9015	D	STREPTOCOCCUS PNEUMONIAE	49619
CS8221	C	STREPTOCOCCUS PNEUMONIAE TYPE 3	6303
CS7000	B	STREPTOCOCCUS PYOGENES GROUP A	19615
CS7006	B	STREPTOCOCCUS PYOGENES GROUP A	49399
CS0979	B	STREPTOCOCCUS PYOGENES Gp A	12384
CS1010	D	STREPTOCOCCUS SALIVARIUS	19258
CS13419	D	STREPTOCOCCUS SALIVARIUS serotype II	13419
CS7023	C	STREPTOCOCCUS SANGUIS TYPE I	10556
CS7034	D	STREPTOCOCCUS SP. GROUP D	27284
CS8218	D	STREPTOCOCCUS SP. GROUP F TYPE 2	12392
CS700794	D	STREPTOCOCCUS SUIS	700794
CS0007	D	STREPTOCOCCUS UBERIS	700407
CS9105	D	STREPTOMYCES SOMALIENSIS	33201
CS700191	D	TANNERELLA FORSYTHENSIS	700191
CS8300	D	TRICHOPHYTON MENTAGROPHYTES	9533
CS8301	D	TRICHOPHYTON RUBRUM	28188
CS9000	D	VIBRIO PARAHAEMOLYTICUS	17802
CS9003	D	YAROWIA LIPOLYTICA	9773
CS7076	C	YERSINIA ENTERCOLITICA	23715
CS9018	D	YERSINIA ENTERCOLITICA	9610
CS9021	D	YERSINIA KRISTENSENII	33639
CS28253	D	ZYGOSACCHAROMYCES ROUXII	28252

## VIABANK® Bead Storage System



Easy long term storage for microorganisms

- Minimal storage space required
- Easy retrieval of stock cultures without multiple passages
- Ideal for preserving new strains for further study with multiple passages
- Establish stocks of reference strains for quality control

Viabank is convenient, easy to use cryoprotection system for the frozen storage of microorganisms. The culture to be preserved is added to the cryopreservative solution in the Viabank Vial thus coating the culture to the Viabank beads. The vial can then be stored in a freezer, and when required individual beads from the vial and used to establish a fresh cultures.

Viabank caps are color coded. The box they come in is partitioned and can be used in your freezer to store the Viabank cultures.

MWVIM - MIXED COLOR CAPS      MWVIR - RED CAPS      MWVIY - YELLOW  
 MWVIG - GREEN CAPS      MWVIB - BLUE CAPS

\$150.00 per BOX OF 80

## QUANTITATIVE INOCU\_PELLETS (CQ) (10-100 cfu per 0.1ml)

Features a single lyophilized microorganism strain packaged in a vial. Included is a 1.0ml vial of rehydrate solution  
 Quantitative Inocu-pellets are all price code F



CQ1100	ASPERGILLUS BRASILIENSIS	19604*	CQ12980	GEOBACILLUS STEAROTHERMOPHILUS	12980*
CQ0998	BACILLUS CEREUS	10876*	CQ4075	KOCURIA RHIZOOPHILA	9341*
CQ1221	BACILLUS SUBTILIS	6633*	CQ0813	LACTOBACILLUS FERMENTUM	9338*
CQ1250	BACTERIOIDES FRAGILIS	25285*	CQ0687	LISTERIA MONOCYTOGENES	19115*
CQ19146	BREVUNDIMONAS DIMINUTA	19146*	CQ4698	MICROCOCCLUS LUTEUS	4098*
CQ5220	BURKHOLDERIA CEPACIA	25416*	CQ5210	PSEUDOMONAS AERUGINOSA	9027*
CQ0896	CANDIDA ALBICANS	2091*	CQ7060	PSEUDOMONAS AERUGINOSA	27853*
CQ1501	CANDIDA ALBICANS	14953*	CQ0524	PSEUDOMONAS FLUORESCENS	17386*
CQ1503	CANDIDA ALBICANS	10231*	CQ0890	SALMONELLA ENTERICA	6017*
CQ1600	CLOSTRIDIUM PERFRINGES	13124*	CQ0902	SALMONELLA ENTERICA	10708*
CQ1703	CLOSTRIDIUM SPOROGENES	11437*	CQ9311	SALMONELLA ENTERICA	13311*
CQ1700	CLOSTRIDIUM SPOROGENES	19404*	CQ6000	SALMONELLA TYPHIMURIUM	14028*
CQ7080	ENTEROBACTER AEROGENES	13048*	CQ7016	STAPHYLOCOCCUS AUREUS	6538*
CQ0497	ENTEROCOCCUS FAECALIS	7080*	CQ9002	STAPHYLOCOCCUS AUREUS	6538P*
CQ7030	ENTEROCOCCUS FAECALIS	29212*	CQ7010	STAPHYLOCOCCUS AUREUS	25923*
CQ7085	ESCHERICHIA COLI	8739*	CQ6500	STAPHYLOCOCCUS EPIDERMIDIS	12228*
CQ1219	GEOBACILLUS STEAROTHERMOPHILUS	7953*	CQ7000	STREPTOCOCCUS PYOGENES	19615*

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**ACUMEDIA DEHYDRATED CULTURE MEDIA**

ALL PRICES LISTED ARE FOR **500 GRAM**. 2KG AND 10KG CONTAINERS ARE AVAILABLE - PLEASE INQUIRE  
 Catalog #r followed by "A" is 500G container, "B" is 2 kilo container, and "C" is 10 kilo container. Listed are the 500G (A) prices.

**ACUMEDIA DEHYDRATED CULTURE MEDIA**

7281	2xYT Medium	\$50.20	7123	Casman Medium Base	\$108.00
7601	A-1 Medium	\$76.35	7222	Cetrimide Agar	\$110.35
7742	Acutone PPLO Broth w/o CV (Non-animal)	\$128.65	7688	Cetrimide Agar (Agar Medium N)	\$127.71
7733	Acutone TPB (Non-animal)	\$122.80	7586	Charcoal Agar	\$147.39
7729	Acutone TSB (Non-animal)	\$114.78	7122	CLED Agar	\$104.50
7178	Agar, Bacteriological	\$133.52	7385	Clostridium Difficile Agar	\$123.85
7558	Agar, Select	\$148.52	9188	Clostridium Perfringens Agar Base	\$89.29
7619	Agar, Technical	\$103.94	7734	Columbia Agar	\$102.18
7302	APT Agar	\$86.98	7125	Columbia Blood Agar Base	\$74.21
7315	Azide Dextrose Broth	\$65.12	7127	Columbia Broth	\$84.36
7442	Bacillus Cereus Agar Base	\$70.57	7126	Columbia CNA Agar	\$96.22
7112	Baird Parker Agar	\$175.57	7110	Cooked Meat Medium	\$203.30
7728	BCYE Agar Base	\$322.85	7350	Corn Meal Agar	\$126.24
7228	Beef Extract Powder	\$86.13	7704	DC Medium w/BCIG	\$350.88
7336	Beta-SSA Agar	\$86.94	7375	D/E Neutralizing Agar	\$112.53
7191	BIGGY Agar	\$130.27	7562	D/E Neutralizing Broth	\$76.10
7249	Bile Esculin Agar	\$117.70	7705	D/E Neutralizing Broth w/Tween	\$86.10
7133	Bile Esculin Azide Agar	\$132.97	7656	Demi-Fraser Broth Base	\$62.95
7230	Bile Salts Mixture #3	\$269.90	7130	Deoxycholate Agar	\$93.27
7113	Bismuth Sulfite Agar	\$104.81	7186	Deoxycholate Citrate Agar	\$99.19
7266	Blood Agar Base No. 2	\$91.85	7265	Dermatophyte Test Medium	\$228.08
7268	Blood Agar Base, Improved	\$74.65	7203	Dextrose	\$25.24
7115	Brain-Heart Infusion Agar	\$118.50	7340	Dextrose Tryptone Agar	\$81.01
7116	Brain-Heart Infusion Broth	\$91.60	7338	Dextrose Tryptone Broth	\$60.31
7262	Brain-Heart Infusion Solids	\$99.83	7592	Dichloran Glycerol (DG-18) Agar Base	\$78.16
7117	Brilliant Green Agar	\$90.63	7129	DNase Test Agar	\$97.91
7310	Brilliant Green Agar w/Sulfadiazine	\$100.31	7591	DRBC Agar	\$86.91
7299	Brilliant Green Agar w/Sulfapyridine	\$79.87	7206	EC Medium	\$60.31
7119	Brilliant Green Bile Broth 2%	\$74.21	7506	EC Medium, Modified	\$64.30
7120	Brucella Agar	\$103.00	7700	EC Medium, Modified w/Novobiocin	\$86.10
7121	Brucella Broth	\$84.36	7361	EC Medium w/MUG	\$177.26
7579	Buffered Listeria Enrichment Broth	\$57.60	7603	EE Broth, Mossel	\$114.78
7675	Buffered Listeria Enrichment Broth Base	\$47.24	7134	Eosin Methylene Blue Agar, (Holt, Harris, Teague)	\$73.93
7418	Buffered Peptone Water	\$68.70	7103	Eosin Methylene Blue Agar, Levine	\$73.93
7417	Buffered Peptone Water (ISO) pH 7.0 - NEW	\$73.00	7531	Fastidious Anaerobe Agar	\$75.56
7736	Buffered Peptone Water, Modified w/Pyruvate	\$73.68	7137	Fluid Thioglycollate Medium	\$58.41
7732	Buffered Sodium Chloride-Peptone Solution, pH 7.0	\$51.08	7626	Fraser Broth	\$64.30
7527	Campy Blood Free Selective (CCDA)	\$69.71	7502	Fraser Broth Base	\$73.45
7718	Campy Cefex Agar	\$143.48	7205	Fungisel Agar	\$195.72
7443	Campy Selective Agar Base (Preston Mod)	\$76.45	7104	GC Agar	\$57.87
7526	Campylobacter Enrichment Broth (Bolton's)	\$103.07	7201	Gelatin	\$40.58
7689	Casein Digest Peptone	\$129.13			

ACUMEDIA DRY CULTURE MEDIA

7218	GN Broth (Hajna)	\$81.78	7378	MacConkey Agar w/o Crystal Violet & Salt	\$82.29
7520	HC Agar Base	\$62.06	7320	MacConkey Agar w/Sorbitol	\$65.64
7138	Hektoen Enteric Agar	\$136.12	7391	MacConkey Agar, CS	\$58.37
7195	Hemoglobin Powder	\$58.95	7185	MacConkey Broth	\$75.45
7610	KF Streptococcus Agar	\$127.44	7456	Malt Agar	\$88.51
7140	Kligler Iron Agar	\$83.22	7341	Malt Extract	\$78.40
7465	Lactalbumin Hydrolysate	\$71.67	7143	Mannitol Salt Agar	\$44.61
7543	Lactobacilli MRS Agar	\$79.31	7658	Maximum Recovery Diluent (Peptone Saline	\$44.97
7406	Lactobacilli MRS Broth	\$74.89	7244	Middlebrook 7H11 Agar	\$83.73
7234	Lactobacillus Selective Agar Base	\$104.29	7703	Milk Plate Count Agar	\$93.27
7231	Lactose	\$31.48	7389	MIO Medium	\$97.76
7141	Lactose Broth	\$56.98	7277	Mitis Salivarius Agar	\$110.18
7142	Lauryl Sulfate Broth	\$54.43	7247	Motility Test Agar	\$101.65
7300	Lauryl Sulfate Broth w/MUG	\$186.28	7420	MRSA Agar Base	\$71.66
7324	Lauryl Tryptose Broth	\$58.66	7237	MR-VP Broth	\$63.02
7289	LB Agar, Lennox	\$70.77	7101	Mueller Hinton Agar	\$76.34
7213	LB Agar, Miller's	\$64.25	7419	Mycobiotic Agar	\$231.43
7290	LB Broth, Lennox	\$42.23	7309	Mycological Agar	\$91.46
7279	LB Broth, Miller's	\$41.85	7741	MYP Agar Base	\$93.57
7307	Legionella Agar	\$179.95	7737	National Food Laboratory Aseptic Validation Me-	\$29.24
7118	Letheen Agar Base	\$105.99	7145	Nutrient Agar	\$96.76
7495	Letheen Agar Base, Modified	\$86.46	7286	Nutrient Agar 1.5%	\$94.31
7710	Letheen Agar w/Tween	\$86.10	7146	Nutrient Broth	\$86.32
7105	Letheen Broth Base	\$96.51	7471	Nutrient Gelatin	\$73.91
7496	Letheen Broth Base, Modified	\$107.96	7655	OGYE Agar Base	\$63.41
7712	Letheen Broth w/Tween, Modified	\$121.96	7587	Orange Serum Agar	\$127.39
7398	Listeria Enrichment Broth	\$65.24	7216	Oxbile (Oxgall)	\$156.60
7173	Littman Agar	\$104.24	7428	Oxford Listeria Agar	\$120.92
7245	Lowenstein-Jensen Medium	\$86.80	7669	PALCAM Agar	\$89.96
7211	Lysine Iron Agar	\$112.49	7670	PALCAM Broth	\$88.31
7296	m-Broth	\$95.26	9189	Pancreatic Digest of Casein (Peptone C2)	\$57.82
7724	m-Endo Agar	\$186.52	9191	Pancreatic Digest of Casein (Peptone C3) - NEW	\$71.16
7723	m-Endo Broth	\$143.48	9190	Pancreatic Digest of Casein (Peptone G2) - NEW	\$56.57
7544	m-Enterococcus Agar	\$85.98	9213	Papaic Digest of Soybean Meal (Peptone S2)	\$58.29
7397	m-FC Agar	\$97.40	7181	Peptic Digest of Animal Tissue (Peptone A)	\$78.96
7396	m-FC Broth	\$94.80	7680	Peptone S, Ultrafiltered	\$118.81
7190	m-Green Yeast and Fungi Broth	\$69.70	7365	Peptone Water	\$55.96
7690	m-HPC Agar	\$86.10	7148	Phenol Red Broth Base	\$66.30
7421	m-TEC Agar	\$103.27	7147	Phenylethanol Agar	\$89.08
7451	m-TGE Broth	\$108.76	7380	Phosphate Buffer, pH 7.2	\$54.21
7102	MacConkey Agar	\$66.90	7149	Potato Dextrose Agar	\$84.49
7236	MacConkey Agar w/o Crystal Violet	\$80.08	7585	Potato Dextrose Broth	\$74.77

ACUMEDIA DEHYDRATED CULTURE MEDIA

ACUMEDIA DRY CULTURE MEDIA

ACUMEDIA DEHYDRATED CULTURE MEDIA

7532	Potato Infusion Agar	\$169.54	7162	Triple Sugar Iron Agar	\$61.51
7485	PPLO Broth w/o CV	\$103.94	7100	Tryptic Soy Agar	\$57.12
7742	PPLO Broth w/o CV, Acutone (Non-animal)	\$128.65	7163	Tryptic Soy Agar w/Lecithin & Tween 80	\$75.63
7738	PPLO MIC Broth	\$111.11	7654	Tryptic Soy Blood Agar Base No. 2	\$67.47
7500	Presence-Absence Broth	\$64.77	7164	Tryptic Soy Broth	\$34.70
9222	Pseudomonas Agar Base - NEW	\$84.05	7729	Tryptic Soy Broth, Acutone (Non-animal)	\$114.78
7458	Pseudomonas Cepacia Agar	\$92.95	7167	Tryptic Soy Broth, Modified w/Acid Digest Of Casein	\$77.44
7329	Pseudomonas Isolation Agar	\$123.78	7694	Tryptic Soy Broth, Modified w/Novobiocin	\$86.10
7390	R2A Agar	\$94.99		Tryptic Soy Broth, Modified w/8 mg Novobiocin & Acid Digest Of Casein	\$107.67
7511	Rappaport-Vassiliadis (MSRV) Medium Semisolid	\$112.49	7731	Tryptic Soy Broth, Modified w/20 mg Novobiocin & Acid Digest Of Casein	\$109.31
7512	Rappaport-Vassiliadis R10 Broth	\$77.80	7739	Tryptic Soy Broth w/Ferrous Sulfate	\$36.82
7730	Rappaport-Vassiliadis Salmonella Enrichment Broth	\$83.01	7351	Tryptone	\$55.87
7714	Reinforced Clostridial Medium	\$89.39	7242	Tryptone Glucose Extract Agar	\$103.24
7664	Rose Bengal Chloramphenical Agar	\$114.78	7693	Tryptose	\$129.13
7150	Sabouraud Dextrose Agar	\$53.97	7347	Tryptose Agar	\$114.94
7306	Sabouraud Dextrose Agar w/Chloramphenicol.	\$72.52	7282	Tryptose Blood Agar Base	\$86.47
7392	Sabouraud Dextrose Agar w/Lecithin & Tween 80	\$66.52	7367	Tryptose Broth	\$64.79
7204	Sabouraud Dextrose Agar, Emmons	\$84.45	7278	Tryptose Phosphate Broth	\$46.25
7617	Sabouraud Dextrose Broth	\$63.85	7733	Tryptose Phosphate Broth, Acutone (Non-animal)	\$122.80
7152	Salmonella Shigella Agar	\$82.66	7574	Universal Beer Agar	\$109.86
7153	Schaedler Agar	\$105.60	7510	Universal Pre-enrichment Broth	\$54.04
7154	Schaedler Broth	\$93.10	7226	Urea Agar Base	\$73.93
7405	Selective Strep Agar, Modified #2	\$108.15	7409	UVM Modified Listeria Enrichment Broth	\$76.45
7155	Selenite Broth	\$64.66	7165	Violet Red Bile Agar	\$71.21
7283	Selenite Cystine Broth	\$72.41	7359	Violet Red Bile Agar w/MUG	\$176.90
7221	SIM Medium	\$76.53	7425	Violet Red Bile Glucose Agar	\$77.95
7156	Simmons Citrate Agar	\$88.88	7207	Vogel and Johnson Agar	\$106.44
7352	Skim Milk	\$28.35	7232	Wilkins-Chalgren Agar	\$112.84
7157	Standard Methods Agar	\$74.24	7233	Wilkins-Chalgren Broth	\$95.53
7219	TAT Broth	\$86.94	7488	W-L Nutrient Medium	\$83.91
7210	TCBS Agar	\$86.47	7166	XLD Agar	\$99.87
7187	Tergitol 7 Agar	\$111.40	7517	XLT4 Agar	\$127.82
7708	Terrific Broth, Modified	\$66.00	7184	Yeast Extract	\$67.92
7241	Tetrathionate Broth Base	\$47.41	7707	Yeast Extract Agar	\$137.75
7740	Tetrathionate Broth Base, Hajna	\$81.86	7257	Yersinia Selective Agar	\$105.89
7160	Thioglycollate Medium w/o Indicator	\$93.72	7525	YM Agar	\$103.21
7161	Todd Hewitt Broth	\$85.64	7363	YM Broth	\$80.01
7349	Tomato Juice Agar	\$216.28			



## ALPHA BIOSCIENCES DEHYDRATED CULTURE MEDIA

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<i>Description</i>	<i>catalog #</i>	<i>\$ 500g</i>	<i>Description</i>	<i>catalog #</i>	<i>\$ 500G</i>
2xYT Agar	X24-106	\$55.00	BRAIN HEART INFUSION AGAR/MODIFIED	B02-112A	Inquire
2XYT MICROBIAL MEDIUM	X24-102	\$60.00	BRAIN HEART INFUSION BROTH	B02-113	\$75.00
A-1 Medium	A01-116	\$68.00	BRAIN HEART INFUSION BROTH W/O DEXT	B02-114	\$70.00
AC BROTH	A01-100	Inquire	BRILLIANT GREEN AGAR	B02-115	\$75.00
AGAR PHARMACEUTICAL	A01-102iph	inquire	BRILLIANT GREEN AGAR with SULFADIAZIN	B02-116	Inquire
AGAR, BACTERIOLOGICAL	A01-102	\$110.00	BRILLIANT GREEN AGAR with SULFAPYRIDine	B02-117	\$65.00
AGAR, High Gel	A01-102IH	\$110.00	BRILLIANT GREEN BILE AGAR	B02-122	\$85.00
AGAR, PURIFIED	A01-102P	\$160.00	BRILLIANT GREEN BILE BROTH 2%	B02-118	\$90.00
AGAR, NOBLE	A01-102N	\$160.00	BRUCELLA AGAR	B02-119	\$75.00
Agarose	A01-119	\$35.00	BRUCELLA BROTH	B02-120	\$65.00
ALT. THIOGLYCOLLATE MED.	A01-103	Inquire	BTB LACTOSE AGAR	B02-100	\$60.00
AMIES BROTH W/O CHARCOAL	A01-105	Inquire	BUFFERED LISTERIA ENRICHMENT BROTH	B02-131	\$60.00
AMIES BROTH with CHARCOAL	A01-104	Inquire	BUFFERED LISTERIA ENRICHMENT BROTH	B02-133	\$60.00
Anaerobic Agar -	A01-115	Inquire	BUFFERED PEPTONE WATER	B02-130	\$40.00
ANTIBIOTIC MED #1	A01-106	\$60.00	BUFFERED PEPTONE WATER	B02-121	\$50.00
ANTIBIOTIC MED #10	A01-111	Inquire	Buffered Peptone Water, Modified	B02-121M	Inquire
ANTIBIOTIC MED #11	A01-112	\$60.00	CAMPY BLOOD FREE SELECTIVE MEDIUM	C03-102	\$60.00
ANTIBIOTIC MED #2	A01-107	Inquire	Carrageenan -	C03-121	Inquire
ANTIBIOTIC MED #3	A01-108	Inquire	Cary & Blair Medium	C03-131	\$70.00
ANTIBIOTIC MED #4 -	A01-109	Inquire	CARY BLAIR MEDIUN MODIFIED PR	C03-125	\$75.00
ANTIBIOTIC MED #9	A01-110	Inquire	CASEIN ACID HYDROLYSATE	C03-103	\$65.00
APT AGAR	A01-101	\$75.00	CASEIN DIGEST PEPTONE	C03-104	\$75.00
AZIDE BLOOD AGAR BASE	A01-113	\$89.00	CASEIN ENRICHED PEPTONE	C03-105	Inquire
AZIDE DEXTROSE BROTH	A01-114	\$55.00	CASEIN MEAT MIXTURE	C03-106	\$60.00
BACILLUS CEREUS AGAR	B02-101	\$60.00	CDC ANAEROBE AGAR	C03-100	\$60.00
Bacteriological Peptone	B02-127	\$65.00	CETRIMIDE AGAR BASE	C03-107	\$70.00
BAIRD PARKER AGAR	B02-102	\$125.00	CHLAMYDOSPORE AGAR	C03-108	Inquire
BARNEY MILLER AGAR	B02-125	\$125.00	CLED AGAR	C03-101	\$65.00
BCYE AGAR (LEGIONELLA AGAR)	B02-103	\$260.00	CLED BEVIS AGAR	C03-117	\$50.00
BEEF EXTRACT B02-104	B02-104	\$75.00	CLOSTRIDIUM DIFFICILE AGAR	C03-109	Inquire
BIGGY AGAR B02-105	B02-105	\$100.00	CLOSTRISEL AGAR	C03-110	Inquire
BILE ESCULIN AGAR	B02-106	\$100.00	Coliform Medium	C03-127	\$65.00
BILE ESCULIN AZIDE AGAR	B02-107	\$100.00	COLUMBIA BLOOD AGAR BASE	C03-111	\$65.00
Bile Salts #3	B02-126	\$230.00	COLUMBIA BROTH	C03-112	\$100.00
BISMUTH SULFITE AGAR	B02-108	\$85.00	COLUMBIA CNA AGAR	C03-113	\$80.00
BLOOD AGAR BASE NO.2	B02-109	\$75.00	Cooke Rose Bengal Agar	C03-123	Inquire
BLOOD AGAR BASE PH 7.4	B02-111	\$70.00	COOKED MEAT MEDIUM	C03-114	\$185.00
BLOOD AGAR BASE with LOW PH	B02-110	\$75.00	CORN MEAL AGAR	C03-115	\$90.00
BOLTON'S BROTH	B02-132	\$175.00	Cycloheximide 1gm-4gm-	C03-120	35.00/100
BRAIN HEART INFUSION AGAR	B02-112	\$95.00	Cystine Heart Agar	C03-122	\$70.00

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<i>Description</i>	<i>catalog #</i>	<i>\$ 500g</i>	<i>Description</i>	<i>catalog #</i>	<i>\$ 500g</i>
CYSTINE TRYPTO AGAR	C03-116	\$75.00	HEART INFUSION BROTH	H08-101	\$55.00
D/E NEUTRALIZING AGAR	D04-112	\$65.00	HEKTOEN ENTERIC AGAR	H08-102	\$110.00
D/E Neutralizing Broth	D04-115	\$60.00	Hektoen Enteric Agar II	H08-106	\$110.00
DC MEDIUM	D04-117	\$70.00	HEMOGLOBIN POWDER	H08-103	\$60.00
DC Medium	D04-117	\$75.00	INHIBITORY MOLD AGAR	I09-102	\$65.00
DC Medium w/ BCIG	DO4-116	\$450.00	K-AGAR	K11-103	\$70.00
DCLS AGAR	D04-100	Inquire	KLIGLER IRON AGAR	K11-100	\$60.00
Demi Fraser Broth Base	F06-102D	\$65.00	LACTOBACILLUS MRS AGAR	L12-103	\$60.00
DEOXYCHOLATE AGAR	D04-104	\$70.00	LACTOBACILLUS MRS BROTH	L12-104	\$60.00
DEOXYCHOLATE CITRATE AGAR	D04-105	\$90.00	Lactobacillus MRS Broth w/o Dextrose	L12-104M	\$65.00
DEOXYCHOLATE LACTOSE AGAR	D04-106	Inquire	Lactobumin Hydrolysate	L12-121	\$65.00
DERMATOPHYTE TEST AGAR	D04-107	\$175.00	LACTOSE	L12-114	\$20.00
DEXTROSE	D04-113	\$30.00	LACTOSE BROTH	L12-105	\$45.00
DEXTROSE BROTH	D04-108	Inquire	LAURYL SULFATE BROTH	L12-106	\$45.00
DEXTROSE PHOSPHATE BROTH	D04-109	Inquire	LAURYL SULFATE BROTH with MUG	L12-107	\$125.00
DEXTROSE TRYPTONE AGAR	D04-110	\$65.00	LB AGAR - LENNOX LB AGAR	L12-100	\$55.00
DEXTROSE TRYPTONE BROTH	D04-111	\$60.00	LB BROTH - LENNOX LB BROTH	L12-101	\$35.00
DNASE & METHYL GREEN	D04-102	\$125.00	Lecithin	L12-118	\$30.00
DNASE & TOLUIDINE BLUE	D04-103	Inquire	LETHEEN AGAR BASE	L12-108	\$70.00
DNASE TEST AGAR	D04-101	\$80.00	LETHEEN BROTH BASE	L12-109	\$60.00
DRBC Agar	D04-114	\$80.00	Letheen Broth, Modified	L12-109M	\$65.00
EC MEDIUM	E05-100	\$50.00	LISTERIA ENRICHMENT BROTH	L12-110	\$65.00
EC MEDIUM with MUG	E05-101	\$125.00	Lowenstein Medium Base	L12-120	\$90.00
EC Medium, Modified	E05-108	\$60.00	LURIA AGAR - MILLER'S LB AGAR	L12-111	\$60.00
EMB, LEVINE W/O LACTOSE	E05-104	Inquire	LURIA AGAR - MILLER'S MODIFIED	L12-115	\$65.00
Endo Agar	E05-110	\$90.00	LURIA BROTH - MILLER'S LB BROTH	L12-112	\$55.00
EOSIN METHYLENE BLUE AGAR	E05-102	\$60.00	LURIA BROTH - MILLER'S MODIFIED	L12-116	\$60.00
EOSIN METHYLENE BLUE AGAR, LEVINE	E05-103	\$60.00	LYSINE IRON AGAR	L12-113	\$60.00
ETHYL VIOLET AZIDE BROTH	E05-105	Inquire	M BROTH	M13-100	\$80.00
EUGONIC AGAR	E05-106	Inquire	M-9 Minimal Salts	M13-130	Inquire
EUGONIC BROTH	E05-107	\$60.00	MACCONKEY AGAR	M13-106	\$55.00
Extract Broth	E05-109	Inquire	MACCONKEY AGAR W/O CRYSTAL VIOLET	M13-108	Inquire
FLUID THIOGLYCOLLATE MEDIUM	F06-101	\$50.00	MACCONKEY AGAR W/O CV & SALT	M13-125	Inquire
FRASER BROTH	FO6-102	\$65.00	MACCONKEY AGAR with MUG	M13-107	Inquire
FUNGISEL AGAR	F06-103	\$155.00	MACCONKEY AGAR, MODIFIED	M13-109	\$55.00
GC AGAR	G07-100	\$60.00	MACCONKEY BROTH	M13-111	\$55.00
GELATIN	G07-102	\$30.00	MACCONKEY SORBITOL AGAR	M13-110	\$55.00
GMS Powder	G07-103	\$55.00	MALT AGAR	M13-112	Inquire
GN BROTH	G07-101	\$60.00	Malt Extract	M13-133	\$80.00
HEART INFUSION AGAR	H08-100	\$60.00	MALT EXTRACT AGAR	M13-113	\$75.00

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Description	catalog #	\$ 500g	Description	catalog #	\$ 500g
MALT EXTRACT AGAR	M13-113	\$75.00	PEPTIC DIGEST OF ANIMAL TISSUE	P16-102	\$65.00
Malt Extract Broth	M13-129	\$50.00	PEPTONE WATER	P16-103	\$55.00
MANNITOL SALT AGAR	M13-114	\$35.00	PERFRIGENS AFAR	P16-144	Inquire
MCCLUNG TOABE AGAR BASE	M13-123	\$90.00	PHENOL RED BROTH BASE	P16-104	\$60.00
MEI Agar	M13-140	\$550.00	PHENOL RED DEXTROSE BROTH	P16-105	\$60.00
m-ENDO AGAR, LES	M13-124	\$90.00	Phenol Red Lactose Broth	P16-121	\$60.00
M-ENTEROCOCCUS AGAR	M13-101	\$70.00	Phenol Red Mannitol Broth	P16-122	\$50.00
M-FC AGAR	M13-102	\$70.00	Phenol Red Sucrose Broth	P16-123	\$60.00
M-FC BROTH	M13-103	\$70.00	PHENYLALANINE AGAR	P16-106	\$125.00
M-GREEN YEAST & MOLD BROTH	M13-104	\$25.00	PHENYLETHANOL AGAR	P16-107	\$75.00
MIDDLEBROOK 7H11 AGAR	M13-115	\$80.00	PHOSPHATE BUFFER, Ph 7.2	P16-108	\$35.00
Middlebrook 7H9 Broth	M13-137	\$125.00	PHOTOBACTERIUM BROTH	P16-143	\$90.00
MITIS SALIVARIUS AGAR	M13-117	\$80.00	POTATO DEXTROSE AGAR	P16-109	\$70.00
Modified M-TEC Agar	M13-141	\$200.00	Potato Dextrose Agar w/ Chloramphenicol	P16-139	\$75.00
MOTILITY TEST MEDIUM	M13-121	\$65.00	Potato Dextrose Broth	P16-126	\$4.00
MR-VP BROTH	M13-105	\$50.00	Potato Infusion Agar	P16-120	\$65.00
Multi Peptone	M13-128	\$60.00	PRESENCE ABSENCE BROTH	P16-110	\$60.00
Mycological Agar	M13-138	Inquire	PROTEOSE PEPTONE #3	P16-119	\$75.00
Mycoplasma Broth Base	M13-136	\$55.00	PSEUDOMONAS CEPACIA AGAR	P16-111	\$70.00
MYP AGAR	M13-149	Inquire	PSEUDOMONAS F AGAR	P16-112	\$65.00
NITRATE AGAR	N14-107	\$70.00	PSEUDOMONAS ISOLATION AGAR	P16-114	\$80.00
NITRATE BROTH	N14-106	\$65.00	PSEUDOMONAS ISOLATION BROTH	P16-115	\$75.00
NUTRIENT AGAR	N14-100	\$70.00	PSEUDOMONAS P AGAR	P16-113	\$65.00
NUTRIENT AGAR 1.5%	N14-102	\$75.00	PURPLE BROTH BASE	P16-117	\$40.00
NUTRIENT AGAR with MUG	N14-101	\$125.00	PURPLE LACTOSE AGAR	P16-118	Inquire
NUTRIENT BROTH	N14-103	\$60.00	R2A AGAR	R18-100	\$70.00
NUTRIENT GELATIN	N14-108	\$75.00	R2B	R18-100B	\$60.00
NZ Broth	N14-110	\$45.00	RAPPAPORT-VASS. R10 BROTH	R18-101	\$60.00
NZCY M BROTH	N14-105	\$45.00	Reinforced Clostridium Medium	R18-105	\$65.00
NZM BROTH	N14-104	\$50.00	RM Agar Base Medium	R18-104	Inquire
NZYM Broth	N14-109	\$25.00	RM Base Media	R18-103	Inquire
Oatmeal Agar	O15-105	\$50.00	RUSSELL DOUBLE SUGAR AGAR	R18-102	Inquire
OF BASAL MEDIUM	O15-100	\$45.00	S D A with LECITHIN + TWEEN 80	S19-101	\$55.00
ORANGE SERUM AGAR	O15-101	\$90.00	SABOURAUD DEXTROSE AGAR	S19-100	\$45.00
Orange Serum Broth	O15-106	\$90.00	SABOURAUD DEXTROSE AGAR W/CHLORA	S19-100C	\$55.00
OXBILE (OXGALL)	O15-103	\$250.00	SABOURAUD DEXTROSE AGAR, EMMONS	S19-102	\$55.00
OXFORD LISTERIA AGAR	O15-102	\$85.00	Sabouraud Dextrose Broth	S19-129	Inquire
Pal Cam broth	P16-124	\$85.00	SALMONELLA SHIGELLA AGAR	S19-103	\$75.00
PalCam Agar	P16-140	\$89.00	SCHAEDLER AGAR	S19-104	\$60.00
PANCREATIC DIGEST OF GELATIN	P16-100	\$60.00	SCHAEDLER BROTH	S19-105	\$65.00
PAPAIC DIGEST OF SOYBEANS	P16-101	\$65.00			

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Selective Strep Broth	S19-130	Inquire	TRYPTO SOY BROTH W/O DEXTROSE	T20-111	\$50.00
Selective Strep Mod 2	S19-106M	\$85.00	TRYPTONE	T20-115	\$60.00
SELECTIVE STREPTOCOCCUS AGAR	S19-106	\$80.00	TRYPTOSE A	T20-115A	\$55.00
SELENITE BROTH	S19-107	\$90.00	TRYPTOSE BROTH	T20-116	\$50.00
SELENITE CYSTINE BROTH	S19-108	\$90.00	TRYPTOSE PHOSPHATE BROTH	T20-113	\$45.00
SF BROTH	S19-109	Inquire	TSB W/CASAMINO ACIDS	T20-134	\$75.00
SFP AGAR BASE	S19-118	Inquire	TSI AGAR	T20-107	\$55.00
SIM MEDIUM	S19-110	\$65.00	TWEEN 80	T20-117	\$60.00
SIMMONS CITRATE AGAR	S19-111	\$70.00	UNIVERSAL BEER AGAR	U21-100	\$85.00
Skim Milk Powder	S19-121	Inquire	UNIVERSAL PREENRICHMENT BROTH	U21-101	\$35.00
Snyder Test Agar	S19-119	\$75.00	UREA AGAR BASE	U21-102	\$60.00
SOB Medium	S19-124	\$60.00	Urea broth	U21-102B	\$75.00
SOC Medium	S19-130	Inquire	UVM MOD LISTERIA ENRICHMENT BROTH	U21-103	\$60.00
SODIUM CHLORIDE USP	S19-116	\$25.00	VIOLET RED BILE AGAR	V22-100	\$75.00
SODIUM THIOGLYCOLLATE	S19-136	\$250.00	Violet Red Bile Glucose Lactose Agar	V22-105	\$50.00
SODIUM PYRUVATE	S19-135	\$75.00	VOGEL & JOHNSON AGAR	V22-103	\$130.00
SOY PEPTONE YEAST EXTRACT AGAR	S19-112	\$40.00	VRB GLUCOSE AGAR	V22-102	\$60.00
Spirit Blue Agar	S19-120	\$120.00	VRBA & MUG	V22-101	\$125.00
SPS Agar	S19-132	Inquire	WILKINS CHALGREN AGAR	W23-100	\$75.00
STANDARD METHODS AGAR	S19-113	\$65.00	WILKINS CHALGREN BROTH -	W23-101	\$60.00
STAPHYLOCOCCUS AGAR #110	S19-114	\$65.00	WL DIFFERENTIAL AGAR	W23-103	500g
Starch Agar	S19-123	\$85.00	WL NUTRIENT AGAR	W23-102	\$60.00
Starch Casein Agar	S19-122	\$90.00	Xanthan Gum	X24-105	Inquire
SUCROSE	S19-117	\$25.00	XL AGAR BASE	X23-100	Inquire
T M W/O INDICATOR	T20-105	\$70.00	XLD AGAR	X24-101	\$75.00
TAT BROTH	T20-100	\$70.00	XLT-4 AGAR	X24-103	\$50.00
TCBS AGAR	T20-101	\$70.00	YEAST EXTRACT	Y25-101	\$60.00
TERGITOL 7 AGAR	T20-103	\$75.00	YEAST NITROGEN BASE	Y25-104	\$160.00
TERGITOL 7 BROTH	T20-121	\$55.00	YEAST NITROGEN BASE W/O AA & AMMO	Y25-106	\$140.00
TERRIFIC BROTH MEDIUM	T20-114	\$50.00	YEAST NITROGEN BASE W/O AMINO ACID	Y25-105	\$140.00
Terrific Broth, Modified	T20-114M	\$50.00	YERSINIA SELECTIVE AGAR	Y25-100	\$85.00
TETRATHIONATE BROTH BASE	T20-104	\$65.00	YM Agar	Y25-107	\$65.00
Thioglycollate Medium, Brewer	T20-118	\$60.00	YM Broth	Y25-108	\$50.00
TODD HEWITT BROTH	T20-106	\$75.00	YP Agar Base	Y25-109	\$55.00
Tomato Paste Testing Broth	T20-119	\$50.00	YP Base Media	Y25-110	\$50.00
TPGY Broth	T20-127	\$60.00	YPD AGAR	Y25-102	\$50.00
TRYPTO GLUCOSE EXTRACT AGAR	T20-112	\$75.00	YPD BROTH	Y25-103	\$50.00
TRYPTO SOY AGAR	T20-108	\$60.00	YSG Agar	Y25-114	\$75.00
TRYPTO SOY AGAR with LECITHIN & TWEE	T20-109	\$65.00			
TRYPTO SOY BROTH	T20-110	\$35.00			

**AH TEST - Rapid and 1- 4hr simple detection of aesculin hydrolysis (MW&E)**

AH Test is a simple inexpensive test for demonstrating aesculin hydrolysis performed on colonies taken directly from isolation plates. Results can be used to distinguish Lancefield Group D streptococcus from other streptococci. Test works by demonstrating an organisms ability to hydrolyze the glycoside aesculin in the presence of bile. Material from the colony is simply smeared on the strip which is then incubated at 37°C. The strips contain aesculin, ferric citrate, and bile salts. The aesculin is hydrolyzed to aesculetin and glucose, and the aesculetin reacts with the ferric citrate to form the visible dark brown to black complex which indicates a positive reaction. Results are available with 4 hours and a good positive reaction may be seen after 1 hour.

**Catalog MW983 pk/25 \$32.00 per pack**

**ANIMAL BLOODS**

*LISTED BELOW ARE CURRENT ROUTINE ANIMAL BLOODS. OTHER SIZES ARE AVAILABLE. IF THE BLOOD OR QUANTITY YOU NEED IS NOT LISTED, INQUIRE*

HL 4 30	BOVINE BLD	30cc	30.00
HL 4 100	BOVINE BLD	100cc	36.00
HL 7A 30	CHICKEN W/ALSEVERS	30cc	99.00
200-6140	FETAL BOVINE SER.	100cc	87.00
HL 8A 100	GANDER BLD/ALSEVERS	100cc	INQUIRE
HL 8A 50	GANDER BLD/ALSEVERS	50cc	INQUIRE
HL 1A 15	GUINEA PIG ALSEVERS	15cc	99.00
HL 1A 30	GUINEA PIG ALSEVERS	30cc	180.00
HL 5 30	HORSE BLOOD DEF	30cc	30.00
HL 5 100	HORSE BLOOD DEF	100cc	36.00
HL 5 250	HORSE BLOOD EF	250cc	55.00
HL 5 500	HORSE BLOOD DEF	500cc	85.00
HL 3 30	RABBIT BLOOD	30cc	50.00
HL 3 100	RABBIT BLOOD	100cc	79.00
HL 2 30	SHEEP BLOOD DEF	30cc	30.00
HL 2 60	SHEEP BLOOD DEF	60cc	33.00
HL 2 100	SHEEP BLOOD DEF	100cc	36.00
HL 2 250	SHEEP BLOOD DEF	250cc	55.00
HL 2 500	SHEEP BLOOD DEF	500cc	85.50
HL 2A 100	SHEEP W/ALSEVERS	10cc	22.00
HL 2A 30	SHEEP W/ALSEVERS	30cc	24.00
HL 2A 50	SHEEP W/ALSEVERS	50cc	38.00
HL 2A 60	SHEEP W/ALSEVERS	60cc	39.00



COMMON BLOODS AVAILABLE INCLUDE: BOVINE (CATTLE), CALF, CHICKEN, EQUINE (HORSE), GANDER, GOOSE, GUINEA PIG, OVINE (SHEEP), AND RABBIT.

OTHER SERA SUCH AS ON REQUEST ARE BURRO, DUCK, GOAT, HAMSTER, MOUSE, OX, RAT, TROUT, TURKEY.

FOR PLASMA PRODUCTS PLEASE INQUIRE.

BLOODS GENERALLY ARE PROVIDED IN EITHER SERUM OR SCREW CAP TYPE CONTAINERS. ROUTINE CONTAINER VOLUMES AVAILABLE ARE 15, 30, 60, 100, 250 AND 500ml. OTHER SIZES ON REQUEST.

FOR CUSTOM FORMULATIONS OR BLOODS WITH REQUIRE SPECIAL HANDLING/PREPARATIONS, OR OTHER REQUIREMENTS, PLEASE INQUIRE.

ANIMAL BLOOD S PREPARED BY HEMOSTAT LABOATORIES

**AH TEST - ANIMAL BLOODS**

## APPAREL, DISPOSABLE - UNISEAL BRAND

### FACE PROTECTION PRODUCTS

#### FACE MASKS

REORDER #	SIZE	QTY	PRICE/CS	DESCRIPTION
711-2	UNI	12/50	100.00	EAR-LOOP MASK 3-PLY, FLUID RESISTANT, 97% FILTRATION, BLUE

### PROTECTIVE APPAREL

#### LAB COATS

SMS LAB COATS - UNISEAL				
CAT#	SIZE	QTY	PRICE/CS	DESCRIPTION
143M-XL		30	126.00	LAB COAT, WHITE, 3/4 LENGTH, KNIT CUFF

#### BOUFFANTS & BEARD GUARDS

CAT#	QTY	PRICE/CS	DESCRIPTION
R101221D57	500	62.00	BOUFFANTS 21", White spun polypropylene
R101224D67	500	62.00	BOUFFANTS 24", White spun polypropylene
RB400B76B	100	10.00	BEARD GUARDS, White Spun polypropylene

### UNISEAL® MEDICAL GRADE LATEX EXAM GLOVES

#### LATEX POWDERED EXAM GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
080	XS-XL	10/100	80.00	PREMIUM GOLD, LIGHTLY POWDERED, SMOOTH

#### LATEX POWDER-FREE EXAM GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
010	XS-XL	10/100	89.95	PRODERMA PF, LOW PROTEIN, 2X CHLORINATED, SMOOTH, ADA ACCEPTED
011	XS-XL	10/100	85.00	PRODERMA PF, LOW PROTEIN, CHLORINATED, TEXTURED, ADA ACCEPTED
035	XS-XL	10/100	95.00	<b>SUREGRIP, LOW PROTEIN, TEXTURED, ADA ACCEPTED</b>
039	XS-XL	10/100	110.05	SUREGRIP, LOW PROTEIN, TEXTURED, 9 MIL ADA ACCEPTED

#### UNISEAL® SYNTHETIC EXAM GLOVES

##### VINYL EXAM GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
017	XS-XL	10/100	85.00	VINYL EXAM, POWDER-FREE

##### NITRILE EXAM GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
094	S-XL	10/100	100.00	NITRILE EXAM, POWDER-FREE, TEXTURED
150	S-XL	10/50	110.00	NITRILE PLUS, POWDER-FREE, 8 MIL, 11" CUFF

#### SAFETY & HIGH-RISK LATEX GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
015	S-XXL	10/50	109.00	HIGH-RISK, POWDER-FREE LATEX, 15 MIL 12" CUFF, TEXTURED

#### UNISEAL® STERILE SURGICAL LATEX GLOVES

CAT#	SIZE	CASE QTY	PRICE/CS	DESCRIPTION
030	6.0-9.0	4/50 PR	110.00	UNISEAL SENSIFLEX, POWDER-FREE, LOW PROTEIN

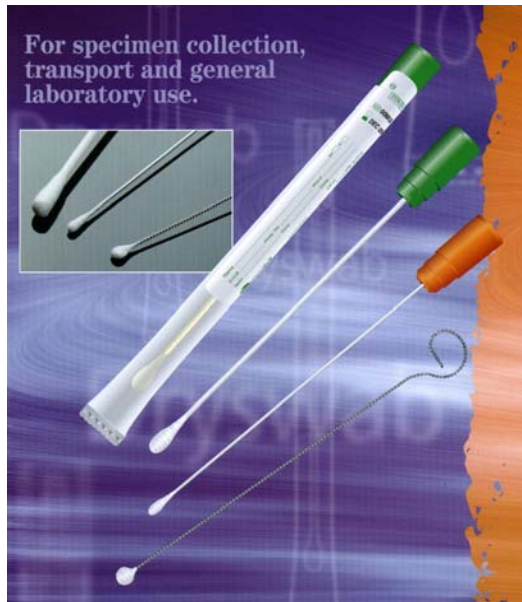
APPAREL, DISPOSABLE, BOUFFANTS, FACE MASKS, GLOVES, LAB COATS

## APPLICATORS - DRYSWABS®, MW&E

A COMPREHENSIVE RANGE OF SINGLE USE SWABS FOR SPECIMEN COLLECTION OR TRANSFER. RANGING FROM SIMPLE BULK-PACKED PLATING SWABS USED AT THE BENCH TO DEDICATED SPECIMEN COLLECTION SWABS COMPATIBLE WITH THE LATEST MOLECULAR TECHNIQUES SUCH AS POLYMERASE CHAIN REACTION (PCR), ELISA, AND OTHER IMMUNODIAGNOSTIC TESTS.

AS WITH TRANSWABS, DRYSWABS ARE PROVIDED WITH A COMPLETE RANGE OF SHAFTS AND BUDS.

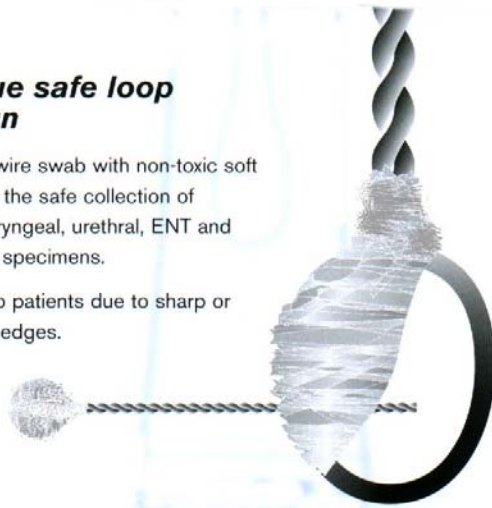
DRYSWABS ARE INTENDED FOR USE WHEN A TEST IS TO BE CARRIED OUT IMMEDIATELY, OR DOES NOT REQUIRE TARGET ORGANISMS TO REMAIN VIABLE. WHEN SPECIMENS ARE TO BE TRANSPORTED TO THE LABORATORY FOR CULTURE, TRANSWABS WITH SUITABLE TRANSPORT MEDIUM (TRANSWAB, CHLAMYDIA, VIRO-CULT ETC.) SHOULD BE USED.



### Unique safe loop design

Looped wire swab with non-toxic soft rayon for the safe collection of nasopharyngeal, urethral, ENT and pediatric specimens.

No risk to patients due to sharp or exposed edges.



**Food, industrial and environmental**

<b>FIBER</b>	<b>DESCRIPTION</b>	<b>FEATURES</b>	<b>COMMENTS</b>
DACRON	POLYESTER	TOTALLY SYNTHETIC & INERT	BEST FOR (PCR) & IMMUNODIAGNOSTIC (ELISA)
RAYON	CELLULOSE	NON-INHIBITORY TO FASTIDIOUS MICROORGANISMS	BEST FOR LIVE MICROORGANISMS
ALGINATE WOOL FIBRE	CALCIUM ALGINATE	BUD CAN BE DISSOLVED IN WEAK ORGANIC ACIDS TO GIVE TOTAL RELEASE OF COLLECTED MICROBES	IDEAL FOR RECOVERING ORGANISMS IN LOW NUMBERS
CHARCOAL -DIPPED RAYON	RAYON BUD DIPPED IN CHARCOAL PWD	CHARCOAL ABSORBS POSSIBLE TOXIC RESIDUES FROM SAMPLE ENHANCING RECOVERY FASTIDIOUS MICROORGANISMS	USE WITH STUARTS OR AMIES MEDIUM
ALBUMIN COATED	RAYON BUD DIPPED IN BOVINE ALBUMIN FRACTION V	ALBUMIN ENABLES SHORT-TERM SURVIVAL OF BACTERIA ON SWAB BUD	ALBUMIN FRACTION V PREFERRED WHICH CAUSES OVERGROWTH OF COM-
MENSALS			
<b>SHAFT</b>	<b>DESCRIPTION</b>	<b>FEATURES</b>	<b>COMMENTS</b>
WOOD	WOOD STICK	TRADITIONAL PRODUCT. CAN BE USED WITHIN LAB, NOT RECOMMENDED FOR FASTIDIOUS ORGANISMS	
STANDARD PLASTIC	WHITE PLASTIC	SUITABLE FOR MOST SPECIMENS	WOUND, NASAL, THROAT, VAGINAL, SKIN
FINE-TIP PLASTIC	NARROW GUAGE WHITE PLASTIC	FLEXIBLE PLASTIC FOR NARROW ORIFICES	URETHRAL, PEDIATRIC
URETHRAL, ENT	ALUMINUM WIRE STRAIGHT	CONTROLLED SAMPLING FROM NARROW ORIFICES IDEAL FOR MALE URETHRAL SAMPLING	URETHRAL, EAR
URETHRAL, ENT	HEAVIER GUAGE TWISTED WIRE	HAS DEGREE OF FLEXIBILITY BUT STILL CONTROLLED	URETHRAL
NASOPHARYNGEAL PERNASAL	ULTRA FINE TWISTED WIRE	FOR SAMPLING NASOPHARYNGEAL REGION AT BACK OF NOSE	ESPECIALLY FOR WHOOPING COUGH

APPLICATORS - MW&E DRYSWABS

**DRYSWABS continued**

**DRYSWABS WITH STERILE TUBE**

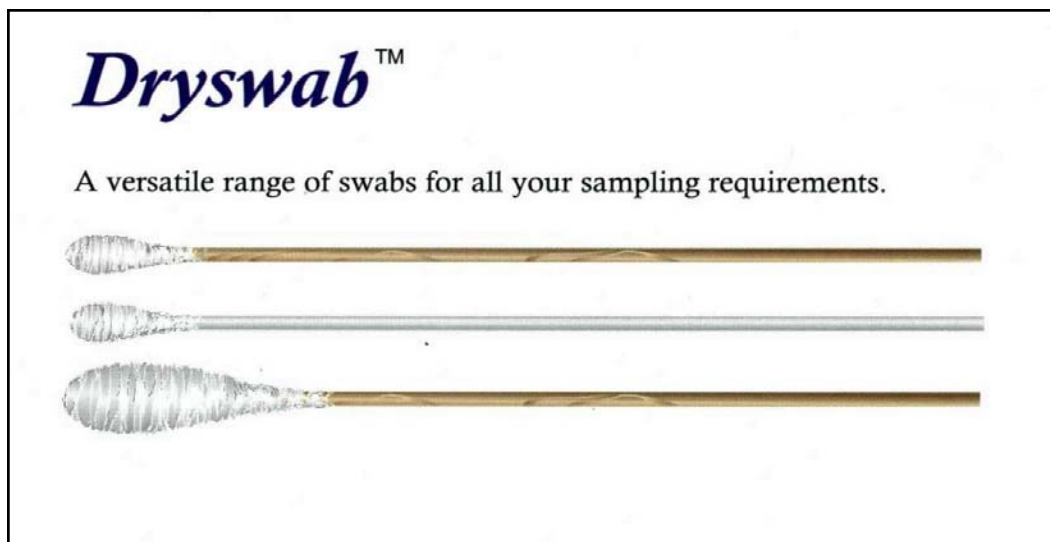
MW100	FINE RAYON TIP, LABELED TUBE	BX/100	105.00		
MW102	PLASTIC STICK, RAYON TIP, LABELED TUBE	BX/100	44.00	CS/800	200.75
MW102D	PLASTIC STICK, DACRON TIP, LABELED TUBE	BX/100	54.00	CS/800	227.75
MW104	WOOD STICK, RAYON TIP, LABELED TUBE	BX/100	44.00	CS/800	197.50
MW104J	WOOD STICK, JUMBO RAYON TIP, LABELED TUBE			CS/800	330.00
MW107	WOOD STICK, LABELED TUBE, ALGINATE WOOL	BX/100	58.75		
MW109	WOOD SHAFT, TAPERED, PEEL POUCH			CS/1250	360.00
MW116	WOOD SHAFT, RAYON, BULK PACKED NON STERILE (50X100)			CS/5000	181.20
MW116s	WOOD SHAFT, RAYON, BULK PACKED, STERILE (50X100)			CS/5000	228.40
MW118	PLASTIC SHAFT, RAYON TIP, BULK PACKED NONSTERILE (50X100)			CS/5000	188.50
MW118s	PLASTIC SHAFT, RAYON TIP, BULK PACKED, STERILE (50X100)			CS/5000	228.40
MW128	LARGEAL, X LONG ALUMINUM WIRE, RAYON TIP PLUS PROTECTIVE PLASTIC SLEEVE & LABELED TUBE	BX/100	280.00		
MW130	HOSPISWAB, WOOD STICK, ALBUMIN COATED. LABELED TUBE			CS/800	224.25
MW140	ENT, TWISTED NICHROME WIRE, RAYON TIP, LABELED TUBE	BX/100	125.00		
MW142	ENT, STRAIGHT ALUMINUM WIRE, RAYON TIP, LABELED TUBE	BX/100	110.00		
MW160	PERNASAL, ULTRA FINE FLEXIBLE TWISTED WIRE NASOPHARYNGEAL-PEDIATRIC, LABELED TUBE	BX/100	136.00		

**BULKED PACKED**

MW116	WOOD SHAFT, RAYON, BULK PACKED, NON STERILE (50X100)			CS/5000	193.00
MW116s	WOOD SHAFT, RAYON, BULK PACKED, STERILE (50X100)			CS/5000	228.40
MW118	PLASTIC SHAFT, RAYON TIP, BULK PACKED NONSTERILE (50X100)			CS/5000	188.50
MW118s	PLASTIC SHAFT, RAYON TIP, BULK PACKED, STERILE (50X100)			CS/5000	228.40
MW131	ENT STRAIGHT WIRE, BULK PACK			CS/1000	750.00

**DRYSWABS IN PEEL POUCHES**

MW108	WOOD SHAFT, RAYON TIP, PEEL POUCH, STERILE	BX/125	44.00	CS/1250	183.75
MW108/2	MW108 BUT PACKED 2 PER POUCH			CS/1200	210.00
MW108/5	MW108 BUT PACKED 5 PER POUCH			CS/2500	278.00
MW108/10	MW108 BUT 10 PER POUCH			CS/3000	307.50
MW108/20	MW108 BUT PACKED 20 PER POUCH			CS/2000	230.00
MW112	PLASTIC SHAFT, RAYON TIP, PEEL POUCH, STERILE			CS/1250	288.00
MW112D	PLASTIC SHAFT, DACRON TIP, PEEL POUCH			CS/1250	345.00
MW113	FINE TIP, PEEL POUCH	BX/125	52.00	CS/1250	392.50
MW151	ENT, STRAIGHT WIRE, PEEL POUCH			CS/1250	455.00
MW155	PERNASAL, PEL POUCH			CS/1250	803.00





**BETA-TEST, MW&E**

**RAPID 5 MINUTE STRIP TEST FOR  $\beta$ -LACTAMASE**

**MW980 BETA-TEST RAPID STRIP TEST PK/25 \$45.00**

*Detects  $\beta$ -LACTAMASE in bacteria including common pathogens such as Staphylococcus aureus, Neisseria gonorrhoeae, Branhamella catarrhalis and Haemophilus influenzae. Benzylpenicillin in the test strips is hydrolysed by  $\beta$ -LACTAMASE yielding penicilloic acid and the reduced pH causes an indicator (brom cresol purple) to change to yellow. The test can be done as soon as there is visible growth on the primary culture plate.*

**BD Products - Other BD products not listed please inquire**

**BIBULOUS PAPER**

11 998 Fisher Sci pack of 12 50 sheet tablets PK/12 \$ 44.37

**BIOHAZARD SUPPLIES**

KEN 6818 ALCOHOL, ISOPREP PADS BX/200 \$ 3.20  
 3M-1222-1 AUTOCLAVE TAPE 1 X 60" ROLL \$ 7.50  
 KEN6045-P TABLE TOP UNDERPAD 17 X 24" CS/300 \$69.00

**BORICON® - see website**

MW208 BORICON 27ML PK/500 \$230.00  
 MW273 BORICON 60ML PK/300 \$242.50

*MW&E STERILE URINE CONTAINER WITH 1% BORIC ACID - see our www.lakewoodbio.com or the MW&E website*

**BUFFERED PEPTONE**

MW776 BUFFERED PEPTONE 10ML PK/50 \$54.50  
 MW777 BUFFERED PEPTONE 5ML PK/50 \$54.50  
 MW780 BUTTERFIELD BUFFER 10ML PK/50 \$55.00  
 MW781 BUTTERFIELD BUFFER 5ML PK/50 \$55.00

**CAMPY GAS SYSTEM**

*DISPOSABLE CYLINDER CONTAINS*

*GAS (5% OXYGEN, 10% CARBON DIOXIDE, & 85% NITROGEN. GAS CERTIFIED BY CHROMATOGRAPHIC ANALYSIS. EACH LOT NUMBER IS BIOLOGICALLY TESTED WITH CAMPYOBACTER fetus. ONE CYLINDER CAN DO HUNDREDS OF PLATES.*

*CAMPY GAS CYLINDER CAT# 100125 ea \$245.00  
 DISPENSING NOSSEL CAT #100140 ea \$114.00  
 ENVIRONMENTAL 2X ZIP-LOCK BAGS  
 100 SINGLE PLATE CAT # 100130 pk/100 \$ 75.00  
 50 MULTIPLE PLATE CAT # 100135 pk/50 \$ 80.00*

**COAGULASE PLASMA**

240827 COAGULASE PLASMA EDTA (RABBIT) 10X3ml \$ 98.45  
 240826 COAGULASE PLASMA EDTA (RABBIT) 10X15ml \$ 352.41

**COLIFORM ISOLATION TRANSWAB®**

MW503 COLIFORM ISOLATION TEST PK/25 \$ 78.75  
*SWAB TEST FOR EARLY DETECTION COLIFORMS BY COLOR CHANGE OF TUBE. 1 YEAR SHELF-LIFE, ROOM TEMP STORAGE, WET DRY SURFACES CAN BE TESTED, AS WELL AS ROUGH OR UNEVEN SURFACES. 18 - 24 HR TEST*

**CONTAINERS/STARPLEX**

FS0288325 STARPLEX LEAKBUSTER 90ml CS/400 \$117.63  
 48MM ORANGE LID -STERILE (B902-10)

**CYTOTAK TRANSWAB**

MW146 CYTOTAK TRASWAB NONSTERILE BG/100 \$ 111.50  
 MW147 CYTOTAK TRANS, STERILE POUCH PK/125 \$ 151.85

*BRUSH SWAB FOR SPECIMEN COLLECTION IN CYTOLOGY*

**DAZZLENS LENS CLEANER**

DC2ZB01 DAZZELNS CLEANER 2oz BTLS PK/6 \$42.00  
 DCGLS01 DAZZELNS CLEANER 1 GAL BTL EA \$48.00  
 DCGLC01 DAZZELNS CLEANER 1 GAL BTLS CS/4 \$160.00

**BETA TEST - DAZZLENS**

**DIFFERENTIATION DISCS - KIMBLE GLASSWARE**

**DIFFERENTIATION (TAXO DISCS & STRIPS)**

231041	TAXO A DISCS	6/VIALS	\$110.78
231040	TAXO A DISCS	VIAL	\$ 33.45
231552	TAXO A DISCS	10/CART	\$134.11
231734	TAXO NITRATE TEST (CART)	CART	\$ 63.90
231750	TAXO NOVOBIOCIN 5mcg	CART	\$ 76.53
231047	TAXO P DISCS (FOR PNEUMO)	6/VIALS	\$108.05
231046	TAXO P DISCS	VIAL	\$ 33.26
231554	TAXO P DISCS	10/CART	\$134.11
231048	TAXO P DISCS	CART	\$ 33.71

**DISCS - ANTIBIOTIC BLANK DISCS**

231122	TAXO BLANK DISCS 1/2"	6/VIALS	\$207.30
231039	TAXO BLANK DISCS 1/4"	6/VIALS	\$54.43

FOR SENSITIVITY DISCS SEE PAGE 23

**Enteropluri ( new ENTEROTUBES II)**

215336	ENTEROPLURI	PK/25	\$364.29
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**FECON®**

MW286	FECON 27ML, LABELED W/SPOON	PK/600	\$295.00
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MW&E FECAL SPECIMEN CONTAINERS WITH BLUE CAP AND BLUE PLASTIC SAMPLING

For addition information go to MW&E's website

**FLEXISWAB**



THE LONGER FLEXIBLE-SHAFTED SWAB. STRONG FLEXIBLE 8" (205mm) SHAFT FOR EXTRA REACH AROUND BENDS WITHOUT BREAKING. THE BLUE SHAFT FOR MAXIMUM VISABILITY HAS A LARGER BUD FOR EFFECTIVE SAMPLING WITH NON TOXIC PROPERTIES AND GOOD ABSORPTION.

**TAMPER-EVIDENT SEAL ENSURES STERILITY BEFORE SAMPLING  
 LABELLED TUBE FOR SITE DETAILS AND TRANSPORT OF SAMPLE  
 IDEAL FOR TAPS, PIPES, VENTS, MACHINERY, CREVICES, AND OTHER AWKWARD DEVICES**

MW159	FLEXISWAB	CS/100	\$196.00
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**GLASSWARE**

Kimble Glassware products, please inquire

**HYGIENE SWAB - Color Change Test**

Same day from the Hygiene Swab. A Rapid Test which will detect gross bacterial and fungal contaminations of work surfaces , equipment, machinery or other sites.

MW504	HYGEINE SWAB	pk/25	\$78.75
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**INDIA INK CONTROLS**

100111	POSITIVE CONTROL	ea	\$50.00
100112	NEGATIVE CONTROL	ea	\$50.00
100113	DEMONSTRATION SUSPENSION	ea	\$50.00
100114	INDIA INK, 1ml	ea	\$50.00

**LENS PAPER**

11-996	pk 12 x 50 sheet tablets	pk/12	\$35.00
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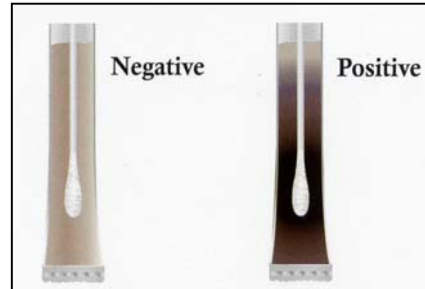
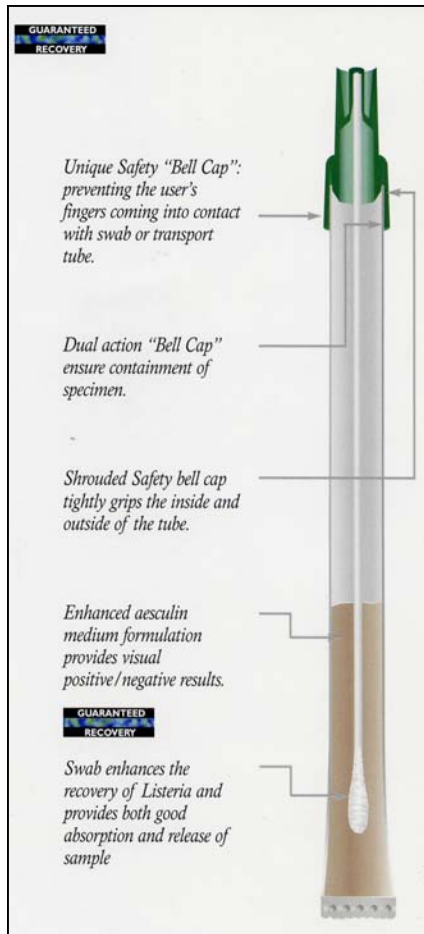
**LETHEEN BROTH**

MW792	LETHEEN BROTH 10ML	PK/50	\$56.25
MW793	LETHEEN BROTH 5ML	PK/50	\$56.25
MW794	LETHEEN BROTH 1ML	PK/50	\$56.25

**LISTERIA ISOLATION TRANSWAB - MW&E LISTERIA ISOLATION**

MW570	Listeria Isolation Transwabs	pk/25	\$85.25
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Simple self contained screening test for Listeria contamination in food production areas. Simple color reaction test. Results in 18 - 24 hrs. Listeria hydrolyses aesculin to produce a dark brown to black color change from the swabs initial yellowish color.



**HYGIENE SWABS - LISTERIA ISOLATION TRANSWAB**

# Microloops®

## A range of loops and accessories for perfect inoculation



MW&E offer a comprehensive range of inoculating loops. Decades of experience in the manufacture of precision inoculating loops ensures that you can rely on Microloops® for accurate volumetric technique every time.

### Microloops®

A wide range of premium quality, accurately sized twisted Nichrome 5 wire loops, available in 6 volumetric sizes. Nichrome 5 wire offers all the benefits of platinum, without the cost. With finely twisted shank for flexibility, the ultrasmooth precision formed loops glide smoothly across the agar surface without tearing, producing good isolated colonies.

- **Flexible**
- **Non-gouging**
- **Rapid cooling**
- **Consistent and reproducible results**

### Calibrated

- **Accurately calibrated** by Evans Blue dye test<sup>1,4,5</sup>, and FDA drill bit method<sup>2</sup>
- **Certificate** of calibration supplied with each Calibrated Microloop®
- **1µl and 10µl**



### Plastic Microloops®

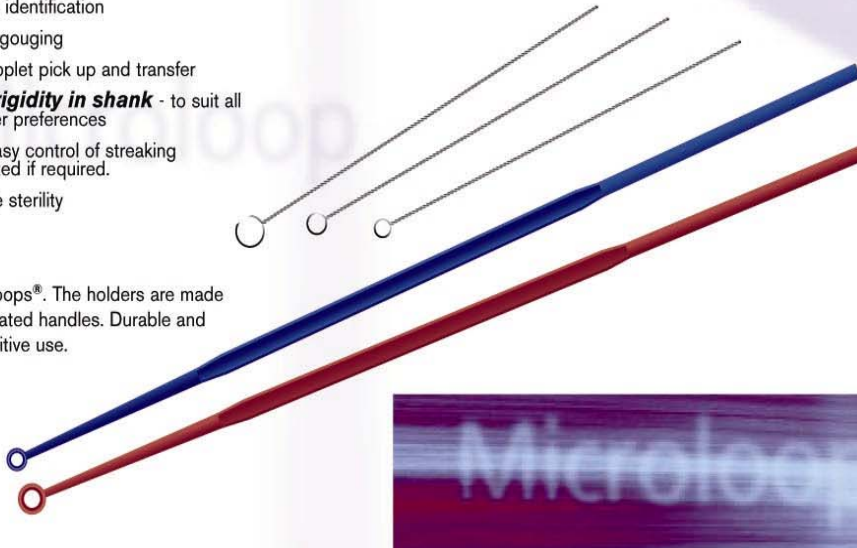
Premium quality sterile plastic disposable inoculating loops and needles. Precision moulded smooth edges prevent tearing and gouging of agar. Available sterile in individual peel pouch or tamper-evident resealable bags of 20 loops.

- **New Classic Microloops®** for 1µl and 10µl
- **Standard Microloops®** in 3 popular sizes and needle
- **Colour coded** for instant size identification
- **Ultra-smooth surface** - no gouging
- **Ultra-wettable** - accurate droplet pick up and transfer
- **Combined flexibility and rigidity in shank** - to suit all applications, techniques and user preferences
- **Square section shaft** for easy control of streaking direction, and can be easily rotated if required.
- **Tamper evident** bags ensure sterility

### Microloop® Holders

Designed for use with MW&E Microloops®. The holders are made from high quality brass with well insulated handles. Durable and long lasting yet light enough for repetitive use.

- **Extremely Robust**
- **Choice of three sizes**
- **Insulated handle**



### Microstreakers®

Combined twisted nichrome wire loops and light weight, insulated aluminium holders, perfectly balanced for easy manipulation. Microstreakers® glide smoothly across the surface of agar without tearing or gouging.

- **Colour coded**
- **Flexible**
- **Non-gouging**
- **Rapid Cooling**
- **Consistent and reproducible results**

### Calibrated

- **Accurately calibrated** by Evans Blue dye test<sup>1,4,5</sup>, and FDA drill bit method<sup>2</sup>
- **Certificate** of calibration supplied with each Calibrated Microstreakers®
- **1µl and 10µl**

### Microloop® Calibration Gauge

Calibrated loops in regular use should be checked on a monthly basis for accuracy. An easy way to comply with this requirement is to use the Microloop® Calibration Gauge (UKAS certified). This is a simple, but precision tooled Go No-Go Gauge which is used in accordance with the US FDA drill bit method<sup>2</sup>. Measurement is physical and there is no requirement for a spectrophotometer.

- **Go No-Go gauge for guaranteed calibration**
- **Simple to use**
- **1µl and 10µl**
- **Robust construction**
- **FDA drill bit method<sup>2</sup>**



### Plastic Microloop® Singles

Individual sleeved sterile inoculating loops are convenient for use in laminar flow cabinets, workstations, for research workers who may not often need to use large numbers, and for education. All sizes of Standard Microloops are available in individual sleeved format.

**MICROLOOPS & HOLDERS**

**TWISTED NICHROME 5 WIRE LOOPS, CALIBRATED & NONCALIBRATED**

**MICROLOOPS**

*non-calibrated nichrome precision twisted wire*

MW190	5.0mm VOL 10uL	PK/25	\$47.75
MW191	3.5mm VOL 5uL	PK/25	\$47.75
MW192	2.9mm VOL 3.3ul	PK/25	\$47.75
MW193	2.5mm VOL 2.5ul	PK/25	\$47.75
MW194	2.2mm VOL 2ul	PK/25	\$47.75
MW195	1.5mm VOL 1ul	PK/25	\$47.75
MW197PL	STRAIGHT WIRE PLATINUM	EA	inquire

*calibrated*

MW1901	10ul NICHROME	PK/1	\$72.75
MW1951	1ul NICHROME	PK/1	\$72.75
MW190PL	10ul PLATINUM	PK/1	inquire
MW195PL	1ul PLATINUM	PK/1	inquire

**MICROLOOP HOLDERS BRASS W/CHUCK TYPE END**

MW1966	BRASS 6"	EA	\$62.40
MW1967	BRASS 7"	EA	\$63.40
MW1968	BRASS 8"	EA	\$64.40

**MICROSTREAKERS (MICROLOOP WITH INSULATED ALUMINUM HANDLE)**

<b>CALIBRATED</b>	MW1851	10 ul CAL.MICROSTREAKER	PK/1	\$43.35
	MW1871	1ul CAL.MICROSTREAKER	PK/1	\$43.35
<b>NON-CALIBRATED</b>	MW184	SMALL	PK/5	\$63.25
	MW182	MEDIUM	PK/5	\$63.25
	MW180	LARGE	PK/5	\$63.25
	MW186	STRAIGHT WIRE	PK/5	\$63.25

**MICROLOOP CALIBRATION GUAGE**

MW188	10ul CALIBRATION GUAGE	EA	inquire
MW189	1ul CALIBRATION GUAGE	EA	inquire

**DISPOSABLE PLASTIC MICROLOOPS**

MW700/20	10ul, RED, 20/PACK	CS/1000	\$89.50
MW700/1	10ul, RED, 1/PK	CS/1000	\$145.00
MW701/20	1ul BLUE, 20/PACK	CS/1000	\$89.50
MW701/1	1ul BLUE, 1/PK	CS/1000	\$145.00
MW705-20	5ul, GREEN, 20/PACK	CS/1000	\$89.50
MW705/1	5ul, GREEN, 1/PK	CS/1000	\$135.00
MW702/20	NEEDLE, 20/PACK	CS/1000	\$89.50
MW702/1	NEEDLE, GREEN 1/PK	CS/1000	\$145.00

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MICROLOOP INOCULATION LOOPS AND NEEDLES - MW&E

**MICROSCOPE SLIDES**

GF9537032F	STANDARD 3X1", FROSTED END	PK/144	\$22.00
GF9537032S	STANDARD 3X1", CLEAR END	PK/144	\$22.00

**MRD (MAXIMUM RECOVERY BROTH)**

MW796	MRD DILUTENT 10ML	PK/50	\$54.00
MW797	MRD DILUTENT 5ML	PK/50	\$54.00

**NRS TRANSWAB - ENVIRONMENTAL MONITORING AND SURFACE SAMPLING**

THE NRS (NEUTRALIZING RINSE SOLUTION) TRANSWAB HAS BEEN DEVELOPED DUE TO THE INCREASING DEMAND FOR ACCURATE HYGIENE MONITORING IN THE FOOD AND BEVERAGE INDUSTRIES WORLDWIDE. RINSE SWABBING IS A POPULAR AND NOW OFTEN MANDATORY TECHNIQUE FOR THE MICROBIAL TESTING OF SURFACES. BY GUARANTEEING THE FILL TOLERANCE OF EACH TRANSWAB, DILUTIONS WILL BE CONSISTANT AND RELIABLE EVERY TIME. NRS INACTIVATES THE BACTERICIDAL EFFECT OF CHLORINE, QUATERNARY AMMONIUM COMPOUNDS AND PHENOLICS USED IN FOOD INDISTRY SANITATION(1).

**CERTIFICATE OF CONFORMITY SUPPLIED WITH EACH PACK.  
 MANUFACTURED TO ISO 9001  
 FORMS PART OF HACCP AND GMP PROGRAMS.  
 GUARANTEED 2% FILL TOLERANCE  
 ISOTONIC NRS NEUTRALIZES RESIDUAL DISINFECTANTS/SANITISING AGENTS**

**TECHNIQUE** - SWABS ARE MOISTENED IN THE NEUTALIZING BUFFER BEFORE SWABBING THE SPECIFIED AREA, NORMALLY 100cm<sup>2</sup>, OF THE TEST SURFACE. THE SWAB IS THEN PLACED IN THE TRANSWAB CONTAINING EITHER 5ml OR 10ml OF THE NRS. COMPLETE THE TUBE LABEL AND TRANSPORT TO THE LABORATORY.

THE SWAB AND/OR BUFFER CAN BE PLATED DIRECTLY ONTO A SUITABLE MEDIUM OR THE NRS BUFFER CAN BE MEMBRANED FILTERED TO CONCENTRATE ANY MICROORGANISMS PRESENT.

ACCURATE & QUANTITATIVE MICROBIAL ANALYSIS OF THE TEST SITE CAN BE MADE BY THE FOLLOWING METHOD.

**EXAMPLE NUMBER OF CFU PER cm<sup>2</sup>**

SAMPLE 100 cm<sup>2</sup> PG SITE WITH SWAB AND PLACE IN 5ml NRS TRANSWAB. TRANSMIT TO THE LABORATORY AND PLATE OUT 1ml OF THE NRS TRANSWAB BUFFER. FOR THIS EXAMPLE THE COLONY COUNT AFTER INCUBATION IS 76.

$$PLATE COLONY COUNT \times VOLUME NRS DIVIDED BY SURFACE AREA OF SAMPLE SITE = CFU/cm^2$$

$$76 \times 5 / 100 = 3.8 CFU/cm^2$$

NOTE: IF THE EXPECTED COUNT OF MICROORGANISMS IS TO BE HIGH, AND ADDITIONAL DILUTION OF NRS MAY BE NEEDED, THE ADVANTAGES OF STRINGENT FILL TOLERANCES OF 5ml OR 10ml WITH DEFINED TEST AREAS IS THAT A QUANTITATIVE EVALUATION CAN BE ACCURATELY MADE OF THE MICROBIAL LOAD / BIO BURDEN OF THE TEST SITE.

**NRS II TRANSWABS**

MW784	NRS II 5ML	PK/50	\$55.00
MW785	NRS II 10ML	PK/50	\$55.00
Mw786	NRS II 1ML	PK/50	\$55.00

**ODORMYCIN AUTOCLAVE DEODORANT (MW&E)**

Autoclave deodorant. Highly concentrated liquid deodorant supplied in convenient gelatin capsules.

MWODOA	APPLE FRAGRANCE	btl/100	\$65.00
MWODOL	LEMON FRAGRANCE	btl/100	\$65.00

**OXYSWABS**

60500	OXYSWABS, GIBSON LABS	PK 25	\$28.00
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**PETRI DISHES - STERILE**

**MONO (100 X 15mm)**

PMP3565	PETRI DISHES, (BEVELED RIM)	CS/600	\$105.00
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**BI, TRI AND QUAD (100X15mm)**

PMP3572	PETRI DISHES, BIPLATES	CS/600	\$120.00
PMP3574	PETRI DISHES, QUAD	CS/600	\$120.00
PMP3573	PETRI DISHES, TRIPLATES	CS/600	\$120.00

**SPACE SAVER**

PMP-3511	PETRI DISHES, (100X10mm) SPACE SAV	CS/750	\$150.00
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**150mm**

PMP3325	PETRI DISHES, KIRBY BAUER	CS/100	\$79.00
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**CONTACT (65 x 10mm)**

PMP3350	PETRI DISHES, CONTACT	CS/500	\$150.00
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MICROSCOPE SLIDES - PETRI DISHES

**POLYWIPES™ MW&E**

UNIQUE SPONGE FOR ENVIRONMENTAL SAMPLING. PRE-MOISTENED 50cm² BLUE SPONGE FOR EASY AND EFFECTIVE SAMPLING FOR DETECTION OF PATHOGENS SUCH AS LISTERIA.

THE BRIGHT BLUE COLOR OF THE SPONGE MATERIAL IS HIGHLY VISABLE TO ENSURE DETECTION AND REMOVAL SHOULD IT BE DROPPED IN A WORK AREA. POLYWIPES ARE PREPARED USING A SPECIALLY MANUFACTURED SPONGE MATERIAL DESIGNED TO HAVE NO INHIBITORY SUBSTANCES, AND TO ENSURE MAXIMUM RECOVERY AND OPTIMUM DETECTION OF ALL MICROORGANISMS. CONVENTIONAL SPONGE MATERIALS CONTAIN INHIBITORY SUBSTANCES SUCH AS ORTHOENYLPHENOL , SULPHUR, AND QUARTERNARY AMMONIUM COMPOUNDS, EITHER BY DESIGN OR LEFT BY THE MANUFACTURING PROCESS(3). SOME OF THESE CHEMICALS ARE ALSO USED IN THE FOOD INDUSTRY FOR SANITATION. THESE CAN KILL OR DAMAGE ANY MICROORGANISMS PICKED UP AND THEREFORE PREVENT THE RECOVERY.

**POLYWIPES WITH DRAWCORD**

PREMOISTENED SPONGE SWABS COMPLETE WITH 1.2m DRAWCORD FOR EASY AND EFFECTIVE SAMPLING OF FLOOR SPACES FOR THE EFFECTIVE DETECTION OF PATHOGENS.

THE METHOD WAS ORIGINALLY DEVELOPED FOR THE DETECTION OF SALMONELLA IN POULTRY FARMS, BEING PARTICULARLY GOOD FOR THE SAMPLING OF LITTER AND DROPPING SURFACES OF CHICKEN HOUSES, BUT IS ALSO SUITABLE FOR OTHER INDUSTRIAL MONITORING APPLCATIONS(4).

THE DRAWCORD CAN BE DRAWN BY HAND OR ATTACHED TO THE CLOTHING DRAGGED BEHIND WHILE WALKING THOROUGH A LARGE AREA TO BE SAMPLED. THE METHOD IS IDEAL FOR FLOOR SURFACES SUCH AS POULTRY PENS , FOOD PROCESSING FACTORIES, BAKERIES ETC. IT IS ALSO USEFUL IN SAMPLING INACCESSABLE AREAS SUCH AS VAT AND DRAINS.

POLYWIPES WITH DRAWCORD ARE PACKED IN CONVENTIONAL PEEL POUCHES. THEY ARE SUPPLIED ON THEIR OWN, OR COMPLETE WITH RESEALABLE POLYETHYLENE BAGS FOR TRANSPORT OF THE SAMPLE TO THE LABORATORY. STERILE GLOVES CAN ALSO BE SUPPLIED IF REQUIRED.

**POLYWIPES / DRAGWIPES**

MW727	PREMOISTENED SPONGE SWAB, 1.2m INTRGRAL DRAWCORD. PEEL POUCH	\$142.00 /50
MW727a	SAME AS MW727 WITH ADDITIONAL 50 RESEALABLE STERILE BAGS	\$152.50 /50
MW727b	SAME AS MW727a WITH GLOVES	\$171.75 /50
MW727TB	DRAGWIPE IN PEEL POUCH + 50 STERILE TWIST BAGS	INQUIRE
MW727SKTB	DIAGNOSTIC SALMONELLA DETECTION KIT	INQUIRE
MW728	PREMOISTENED SPONGE SWAB, W/110ml CONTAINER, 3X WRAP & GLOVES	\$125.00 /50
MW729	PREMOISTENED SPONGE SWAB WITH PEEL POUCH 3X WRAP	\$115.00 /50
MW729a	SAME AS MW725 WITH ADDITIONAL 50 RESEALABLE STERILE BAGS	\$125.00 /50
MW729b	SAME AS MW729 WITH STERILE BAGS AND GLOVES	\$136.00 /50
MW729TB	POLYWIPE IN PEEL POUCH + 50 STERILE TWIST BAGS & GLOVES	\$151.00 /50



PREPARED CULTURE MEDIA PLATES

PREPARED MICROBIAL MONO-PLATES			PREPARED TUBE MED CONTINUED		
P1025	BAIRD PARKER AGAR	F	T3802	BHI BROTH W/6.5% NaCl	C
P4800	BILE ESCULIN AGAR	C	T5000	BRILLIANT GREEN BILE 2%	E
P4802	BILE ESCULIN AZIDE AGAR	B	T5002	BRILLIANT GREEN BILE 2%W/MUG	E
P1100	BISMUTH SULFITE AGAR	C			
A10/P1002	BLOOD AGAR (TSA5%SB)	A	T2022	CHOPPED MEAT MEDIUM	E
P2904	BRAIN HEART INFUSION AGAR	C			
P11030	BHI AGAR 5% SB (2X)	F			
P1150	BRILLIANT GREEN AGAR	C	T2009	CYSTINE TRYPTIC AGAR	C
P2830	CASEIN (SKIM MILK) AGAR	C	T2010	CTA DEXTROSE	C
P2550	CETRIMIDE AGAR	C	T2011	CTA LACTOSE	C
E14	CHOCOLATE AGAR	A	T2015	CTA MALTOSE	C
P3700	COLUMBIA CNA AGAR W/5% SB	B			
P2225	DNASE AGAR W/METHYL GRN	F	T2049	DECARBOXYLASE ARGININE	E
P1508	EMB HHT FORMULATION	B	T20117	DECARBOXYLASE CONTROL	E
P3516	HEKTOEN ENTERIC AGAR	B	T2050	DECARBOXYLASE LYSINE	E
P4300	LACTOBACILLUS MRS AGAE	E	T2051	DECARBOXYLASE ORNITHINE	E
P1507	LEVINE EMB AGAR	A	T3329	DEIONIZED WATER 9ml	E
P1606	MACCONKEY AGAR	A	T3329	DI WATER 5ML	C
P3280	MALT EXTRACT AGAR	E			
P1706	MANNITOL SALT AGAR	B	T5075	EC BROTH W/DT	E
P3300	MITIS SALIVARIUS AGAR	E	T5005	EC BROTH W/MUG	E
E30	MODIFIED THAYER MARTIN(MTM)	B	T2500	FLUID THIOGLYCOLLATE	C
P3318	MUELLER HINTON AGAR	A			
P3418	MUELLER HINTON W/5%SB	B			
P3419	NUTRIENT AGAR	C	T9406	INDOLE BROTH	C
P3323	PEA W/5% SHEEP BLOOD	D	T4300	LACTOBACILLUS MRS AGAR	E
P3421	POTATO DEXTROSE AGAR	C	T4403	LAURYL TRYPTOSE BROTH (1X)	E
P7390	R2A	C	T4404	LAURYL TRYPTOSE BROTH (2X)	E
P11175	SAB DEX CHLORAMPHENICOL	E	T5001	LAURYL SULFATE BROTH W/MUG	E
p11177	SABOURAUD DEX W/C& C	E	20190	LOWENSTEIN JENSEN SLANT	E
P3350	SABHI W/ C & G	E	T3046/L25	LYSINE IRON AGAR	C
P3330	SABOURAUD DEXTROSE (2X)	C			
P11777	SD AGAR w/ C&C	F	T3053	MIO MEDIUM	C
P3495	SALINE AGAR	C	T2054	MOTILITY MEDIUM	C
P3326	SS AGAR	B	T3706	MOTILITY MEDIUM w/TTC	D
P3130	STANDARD METHODS AGAR	B	T2055	MR-VP BROTH	C
P2850	STARCH AGAR	C			
P2795	TOMATO JUICE AGAR	E	T1950	NITRATE BROTH w/DT	E
P2802	TRYPTIC SOY AGAR	A	T1959	NUTRIENT BROTH	C
P2802M	TSA W/LECITHIN & 80	C	T2075	NUTRIENT GELATIN	C
A10/P1002	TRYPTIC SOY AGAR 5%SB	A			
P1010	TSA 5%sb 2.5mg Genta	E	T1950	OF BASAL MEDIUM (CONTROL)	F
P1012	TSA 5%sb 2.5mg Genta 0.1mg Pen	E	T1954	OF MEDIUM DEXTROSE	F
P3601	XLD AGAR	B			
	<b>BIPLATES</b>				
Z2500	BAIRD PARKER / CETRIMIDE	F	T5038	PHENOL RED BROTH CONTROL	F
Z3033	MACCONKEY & TSA W/5%SB	C	T5040	PR BROTH W/DEXTROSE & DT	F
J22	TSA 5% SB / EMB AGAR	C	T5043	PR BROTH LACTOSE & DT	F
	<b>CONTACT PLATES</b>		20362	PR BROTH MALTOSSE	F
C1404	TSA W/LECITHIN TWEEN 80	F	T5049	PR BROTH SUCROSE & DT	F
	<b>150mm PLATES</b>		20376	PR BROTH XYLOSE	F
P33181	MUELLER HINTON AGAR	D	INQUIRE	PR BROTHS NOT LISTED INQUIRE	F
P34181	MUELLER HINTON W/5% SB	E			
	<b>TRI-PLATES</b>		T7000	RV BROTH 10ML	D
Y3010	TSA 5% SB / L EMB / MSA	F	T3080	SABOURAUD DEXTROSE SLANT	C
Y3015	BSA / HE / XLD AGAR	F	T3090	SABOURAUD DEXTROSE POUR	D
	<b>QUAD-PLATES</b>		T3091	SABDEX POUR W/CHLOR	F
Z4018	BEA/MAC/CENTRIMIDE/BAIRD PARKER	F	T3082	SELENITE BROTH	D
Z4020	TSA/MAC/CENTRIMIDE/BAIRD PARKER	F	T3083	SELENITE CYSTINE BROTH	D
Z4015	URINE ID QUAD #3 (BLOOD/EMB/SC/XLD)	F	T5065	SKIM MILK	C
	<b>PREPARED MICROBIAL TUBED MEDIAS</b>		T2079	SIM MEDIUM	C
T0366	BILE ESCULIN AZIDE SLANT	C	T3215	STANDARD METHODS AGAR DEEP	D
T1405	BLOOD AGAR SLANT	E	T3084	SIMMONS CITRATE AGAR SLANT	C
P-BA-20	BHI AGAR DEEP	E	T2650	SNYDER TEST AGAR	E
T2904	BHI AGAR SLANT	C			
T0600	BHI BROTH 10ml	C	T2092	TETRATHIONATE BROTH	C
T3112	BHI BROTH 2.0ml	C	T7202	THIO W/O IND	C
T0405	BHI BROTH 4.5ml	C	T2516	TODD HEWITT BROTH 5ML	C
T3115	BHI BROTH 5.0ml	C	T3092	TRIPLE SUGER IRON SLANT	C
			T8905	TSA W/YEAST EXTRACT DEEPS	E
			T8903	TRYPTIC SOY AGAR SLANT	C
			T3115	TRYPTIC SOY BROTH 5ml	B
			T9000	TRYPTIC SOY BROTH 10ml	C
			T1956	TSB WITH 6.5% NaCl	C
			20875	TSB W/GLYCEROL	C
			T2272	UREA AGAR SLANT	C
			T2273	UREA BROTH	C



**PYO-TEST - MW&E RAPID OXIDASE TEST**

**MW990 PYO-TEST PK/25 \$45.00**

Pyo-Test rapidly detects Cytochrome Oxidase produced by a number of bacteria including *Pseudomonas*, *Neisseria* and *Campylobacter*. Each Pyo-Test strip is impregnated with colorless redox dye (tetramethyl-p-phenylenediamine dihydrochloride) and ascorbic acid. Oxidase positive bacteria rapidly convert the dye to indophenol blue (deep purple) in seconds. Ascorbic acid acts as a reducing agent to prevent the auto oxidation which occurs in traditional liquids.

Pyo-Test is thus a convenient ready-to-use oxidase test

**REAGENTS AND STAINS  
ACID FAST STAINS**

(Gibson Bioscience INDIVIDUAL STAINS 250cc each)

70150	AURAMINE-RHODAMINE	\$ 45.00
212523	BRILLIANT GREEN K	\$120.00
70010	CARBOL FUCHSIN (Z-N)	\$ 25.00
70050	CARBOL FUCHSIN (K)	\$ 25.00
70020	ACID ALCOHOL	\$ 22.00
70030	METHYLENE BLUE	\$ 23.00
70170	KMNO4	\$ 23.00

**AF STAIN SETS & QC SLIDES**

70040	ZIEHL-NEELSEN	\$ 70.00
70080	KINYOUN	\$ 70.00
70180	TRUANT'S STAIN SET (AURAMINE)	\$ 85.00

**QC Slides**

08 801 5	AFB QC SLIDES (PK/50)	\$130.01
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**GRAM STAINS - BBL & Gram Stain QC SLIDES  
INDIVIDUAL STAINS 250CC each**

4622-250ML	CRYSTAL VIOLET	\$ 18.00
1185-250ML	DECOLORIZER	\$ 18.00
6050-250ML	IODINE, STABILIZED	\$ 18.00
1120-250ML	SAFRANIN	\$ 18.00

**INDIVIDUAL GRAM STAINS 3.8 LITER**

4622-GAL	CRYSTAL VIOLET	\$100.00
1185-GAL	DECOLORIZER	\$ 90.00
6050-GAL	IODINE, STABILIZED	\$140.00
1185-GAL	SAFRANIN	\$100.00

**GRAM STAIN SET (TRADITIONAL)**

6054-250ml	GRAM STAIN SET	\$ 60.00
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**GRAM STAIN SETS/QC SLIDES**

08 801	GRAM STAIN QC SLIDES (PK/50)	\$183.82
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**BD REAGENT DROPPERS**

50 INDIVIDUAL TEST REAGENT DROPPERS PER PK

261182	ACRIDINE ORANGE	\$118.21
261195	CALCOFLOUR WHITE	\$118.02
261203	CATALASE	\$ 86.21
261183	DESOXYCHOLATE (BILE SOL)	\$109.00
261187	DMACA INDOLE	\$ 88.85
261189	DOBELL & OCONNER'S IODINE	\$ 74.60
261190	FERRIC CHLORIDE (PHENAL)	\$110.88
261206	FLAGELLA STAIN	\$127.22
261194	INDIA INK	\$ 77.81
261185	INDOLE (TRYPTOPHANASE)	\$ 78.00
261188	LACTOPHENOL COTTON BLUE	\$ 71.20
261204	METHYLENE BLUE	\$111.69
261201	NINHYDRINE	\$133.41
261197	NITRATE A	\$107.80
261198	NITRATE B	\$105.57
261181	OXIDASE	\$ 84.72
261191	POTASSIUM CHLORIDE 10%	\$ 82.10
261196	PYR	\$114.91
261192	VOGES-PROSKAUER A	\$ 71.20
261193	VOGES-PROSKAUER B	\$ 82.11

**GIBSON LABS REAGENTS**

50cc REAGENT DROPPER BOTTLES

60007	n-ACETYL CYSTEINE KIT	\$90.00
60002	ALPHA-NAPHTHOL	\$33.00
60006	ANAEROBIC SPOT INDOLE	\$33.00
60004	CATALASE REAGENT	\$33.00
60005	DESOXYCHOLATE 3%	\$50.00
60010	FERRIC AMMONIUM CIT	\$33.00
60011	FERRIC CHLORIDE 10%	\$33.00
60012	FERRIC CHLORIDE 12%	\$33.00
60013	KOH 20%	\$35.00
60015	KOH 10%	\$35.00
60017	KOVACS REAGENT	\$33.00
60019	LACTOPHENOL CTN BLUE	\$50.00
60020	McFARLAND SET #1 - # 10	\$85.00
60021	McFARLAND #0.5 SET	\$85.00
40810	METHYL RED	\$33.00
60022	MINERAL OIL	\$33.00
60025	NITRATE REAGENT A	\$50.00
60026	NITRATE REAGENT B	\$50.00
60055	NINHYDRIN REAGENT	\$60.00
60029	PYR REAGENT	\$50.00
60030	OXIDASE TEST REAGENT (100 TEST)	\$33.00
60032	SODIUM HYDROXIDE 4%	\$33.00
60043	Na HYDROXIDE 0.05	\$33.00
60033	VOGES-PROSKAUER A	\$33.00
60034	VOGES PROSKAUER B	\$35.00

**BD SENSITIVITY DISCS CARTRIDGE \$21.95 EA PACKAGE 10 CARTRIGES \$119..95**

**SENSITIVITY DISCS, BD BRAND**

231639	AMDINOCILLIN AMD-10	10ug	PK/10	231599	CINOXACIN CIN-100	PK/10	231314	NOVOBIOCIN NB-5	PK/10
231596	AMIKACIN AN-30	30ug	CART	231213	CLINDAMYCIN CC-2	CART	231342	OXYTETRACYCLINE T-30	PK/10
231597	AMIKACIN AN-30	30ug	PK/10	231275	CLINDAMYCIN CC-2	PK/10	230918	PENICILLIN P-10	CART
231628	AMOX/CLAVULANIC ACID AMC-30		CART	231276	CLOXACILLIN CX-1	PK/10	231321	PENICILLIN P-10	PK/10
231629	AMOX/CLAVULANIC ACID AMC-30		PK/10	230749	COLISTIN CL-10	CART	231320	PENICILLIN P-2	PK/10
230705	AMPICILLIN AM-10		CART	231278	COLISTIN CL-10	PK/10	231691	PIPERACILLIN/TAZOACTAM TZP-110	CART
231264	AMPICILLIN AM-10		PK/10	230777	DOXYCYCLINE D-30	CART	231692	PIPERACILLIN/TAZOACTAM TZP-110	PK/10
231659	AMPICILLIN W/SUBLACTUM SAM-20		CART	231286	DOXYCYCLINE D-30	PK/10	231608	PIPERCILLIN PIP-100	CART
231660	AMPICILLIN W/SUBLACTUM SAM-20		PK/10	231662	ENOXACIN ENX-10	PK/10	231609	PIPERCILLIN PIP-100	PK/10
231682	AZITHROMYCIN AZM-15		PK/10	231717	ENROF+E683LOXACIN	EA	230926	POLYMYXIN B PB-300	CART
231625	AZLOCILLIN AZ-75		PK/10	232174	ERTAPENEM ETP-10	CART	231324	POLYMYXIN B PB-300	PK/10
231640	AZTREONAM ATM-30		CART	232175	ERTAPENEM ETP-10	PK/10	231720	QUINUPRISTIN/DALFOPRISTIN	CART
231641	AZTREONAM ATM-30		PK/10	230793	ERYTHROMYCIN E-15	CART	231721	QUINUPRISTIN/DALFOPRISTIN	PK/10
230721	BACITRACIN B-10		CART	231290	ERYTHROMYCIN E-15	PK/10	231541	RIFAMPIN RA-5	CART
231268	BACITRACIN B-10		PK/10	231289	ERYTHROMYCIN E-2	PK/10	231544	RIFAMPIN RA-5	PK/10
231555	CARBENICILLIN CB-100		PK/10	231709	FOSFOMYCIN FOS200	CART	231707	SPARFLOXACIN SPX-5	CART
231653	CEFACLOR CEC-30		PK/10	231755	FOSFOMYCIN FOS200	PK/10	231708	SPARFLOXACIN SPX-5	PK/10
231592	CEFAZOLIN CZ-30		CART	230809	FURAZOLIDONE FX-100	CART	231636	SPECTINOMYCIN SPT-100	CART
231593	CEFAZOLIN CZ-30		PK/10	231760	GATIFFLOXICIN GAT 5	PK/10	231637	SPECTINOMYCIN SPT-100	PK/10
231713	CEFDNIR CDR-5		CART	231227	GENTAMICIN GM-10	CART	231694	STREPTOMYCIN S-300	CART
231695	CEFEPIME FEP-30		CART	231299	GENTAMICIN GM-10	PK/10	230942	STREPTOMYCIN S-10	CART
231696	CEFEPIME FEP-30		PK/10	231693	GENTAMICIN GM-120	CART	231328	STREPTOMYCIN S-10	PK/10
231664	CEFIXIME CFM-5		PK/10	231644	IMPENEM 1MP-10	CART	231325	SULFACHLOROPYRIDAZINE SL-.25	PK/10
231666	CEFMETAZOLE CMZ-31		PK/10	231645	IMPENEM 1MP-100	PK/10	231326	SULFACHLOROPYRIDAZINE SL-1.0	PK/10
231643	CEFONICID CID-30		PK/10	231301	KANOMYCIN K30	PK/10	231331	SULFADIAZINE SD-.25	PK/10
231612	CEFOOERAZONE CFP-75		CART	231705	LEVOFLOXACIN LVX-5	CART	231345	SULFAMETHIZOLE TH-.25	PK/10
231613	CEFOOERAZONE CFP-75		PK/10	231706	LEVOFLOXACIN LVX-5	PK/10	231536	SXT	CART
231606	CEFOTAXIME CTX-30		CART	231302	LINCOMYCIN L-2	PK/10	231539	SXT	PK/10
231607	CEFOTAXIME CTX-30		PK/10	231761	LINEZOLID LZD 30	CART	231337	SULFATHIAZOLE ST-.25	PK/10
231655	CEFOTETAN CTT-30		CART	231762	LINEZOLID LZD 30	PK/10	230813	SULFISOXAZOLE G-.25	CART
231656	CEFOTETAN CTT-30		PK/10	231686	LOMEFLOXACIN LOM-10	PK/10	231296	SULFISOXAZOLE G-.25	PK/10
231590	CEFOXITIN FOX-30		CART	231703	MEROPENEM MEM-10	CART	231297	SULFISOXAZOLE G-1.0	PK/10
231591	CEFOXITIN FOX-30		PK/10	231704	MEROPENEM MEM-10	PK/10	231298	SULFISOXAZOLE G-2.0	PK/10
231673	CEFPODOXIME CPD-10		CART	231615	MEXLOCILLIN MZ-75	PK/10	230998	TETRACYCLINE TE-30	CART
231674	CEFPODOXIME CPD-10		PK/10	231250	MINOCYCLINE MI-30	CART	231344	TETRACYCLINE TE-30	PK/10
231684	CEFPROZIL CPR-30		PK/10	231251	MINOCYCLINE MI-30	PK/10	231343	TETRACYCLINE TE-5	PK/10
231632	CEFTAZIDIME CAZ-30		CART	231611	MOXALACTUM MOX-30	PK/10	231618	TICARCILLIN TIC-75	CART
231633	CEFTAZIDIME CAZ-30		PK/10	231757	MOXIFLOXACIN MFX 5	CART	231619	TICARCILLIN TIC-75	PK/10
231753	CEFTAZIDIME/CLAVULANIC ACID		CART	231758	MOXIFLOXACIN MFX 5	PK/10	231648	TICARCILLIN W/CLAVULANIC ACID TIM-85	CART
231754	CEFTAZIDIME/CLAVULANIC ACID		PK/10	231309	NAFCILLIN NF-1	PK/10	231649	TICARCILLIN W/CLAVULANIC ACID TIM-85	PK/10
291255	CEFTIOFUR (VETERINARY)+E627		CART	230874	NALADIXIC ACID NA-30	CART	291387	TILMICOSIN (VERTERINARY)	CART
231623	CEFTIZOXIME ZOX-30		PK/10	231311	NALADIXIC ACID NA-30	PK/10	231568	TOBRAMYCIN NN-10	CART
231634	CEFTRIAZONE CRO-30		CART	231313	NEOMYCIN N-30	PK/10	231569	TOBRAMYCIN NN-10	PK/10
231635	CEFTRIAZONE CRO-30		PK/10	231312	NEOMYCIN N-5	PK/10	231600	TRIMETHOPRIM TMP-5	CART
231620	CEFUROXIME CXM-30		CART	231603	NETILMICIN NET 30	PK/10	231349	TRIMETHOPRIM TMP-5	PK/10
231621	CEFUROXIME CXM-30		PK/10	231292	NITROFURANTOIN F/M-100	PK/10	231349	TRIPLE-SULFA SSS-.25	PK/10
230725	CEPHALOTHIN CF-30		CART	231149	NITROFURANTOIN F/M-300	CART	231350	TRIPLE-SULFA SSS-1.0	PK/10
231271	CEPHALOTHIN CF-30		PK/10	231293	NITROFURANTOIN F/M-300	PK/10	231034	VANCOMYCIN VA-30	CART
230733	CHLORAMPHENICOL C-30		CART	231647	NORFLOXACIN NOR-10	PK/10	231353	VANCOMYCIN VA-30	PK/10
231274	CHLORAMPHENICOL C-30		PK/10	231315	NOVOBIOCIN NB-30	PK/10	231030	VANCOMYCIN VA-5	CART
230729	CHLORAMPHENICOL C-5		CART	230886	NOVOBIOCIN NB-5	CART	231352	VANCOMYCIN VA-5	PK/10

**SPECIMEN CONTAINERS**

POLYGON SPECIMEN CONTAINERS, See MW&E Website

**STERIKIT™**

MW750 STERIKIT PK/50 \$ 275.00

TRANSPORT SWAB SYSTEM WITH GROWTH INDICATOR FOR ACCELERATED DETECTION OF CONTAMINATION - see our and our Lakewoodbio.com or the MW&E website

**STERISWABS™**

HAVE BEEN DESIGNED FOR THE PHARACEUTICAL INDUSTRY AND FOOD MICROBIOLOGIST AS A TOOL FOR EFFECTIVE MONITORING OF STERILITY AND CONTAMINATION IN CLINICALLY CLEAN OR STERILE WORK AREAS.

STERISWABS ARE PREMOISTENED WITH A STERILE DILUTENT FOR EASE OF USE AND ELIMINATION OF ANY POSSIBLE CROSS CONTAMINATION. THE SWABS ARE SUPPLIED INDIVIDUALLY IN A STERILE LABELED TUBE WHICH CAN BE USED TO RETURN THE SAMPLE TO THE LABORATORY.

STERISWABS ARE PRESTERILIZED BY IRRADIATION AND TRIPLE WRAPPED TO GUARANTEE THAT ANY VIABLE ORGANISM DETECTED CAME FROM THE SITE AND NOT FROM THE SWAB. OUR OWN PRODUCTION PROCEDURES ARE DESIGNED TO ENSURE A MINIMUM BIO BURDEN (ie PRACTICALLY ZERO NONVIABLES)

STERISWABS ARE VALIDATED FOR RECOVERY OF FASTIDIOUS MICROORGANISMS.

**STERISWAB™ DRY**

MADE TO THE SAME RIGOROUS STANDARD AS THE PREMOISTENED STERISWAB, BUT KEEP DRY TO ALLOW USE WITH CUSTOMER'S OWN DILUTENT OR CAN BE USED DRY IF REQUIRED. AVAILABLE INDIVIDUALLY IN STERILE LABELED TUBES OR IN SETS OF 5 OR 10 IN STERILE PEEL-POUCH WHICH CAN THEN BE USED IN ACCORDANCE WITH EXISTING PROCEDURES.

- **IMPROVED SAMPLING FROM ALL SURFACES**
- **READY TO USE**
- **OPTIMUM RECOVERIES OF FASTIDIOUS MICROORGANISMS**
- **VALIDATED**
- **SAVE TIME AND EXPENSE**

**STERISWABS**

MW720	PREMOISTENED RAYON SWAB (BREAKPOINT), LABELED TUBE, TRIPLE WRAP	PK/250	\$ 193.00
MW730	DRY RAYON SWAB (BREAKPOINT), LABELED TUBE, TRIPLE WRAP	PK/250	\$ 148.00
MW735/1	DRY RAYON SWAB (BREAKPOINT), I PER PEEL POUCH	PK/150	\$ 113.00
MW750	STERIKIT, TRIPLE WRAPPED STERILE PACK	PK/50	\$ 275.00



**TAPES, GENERAL LABORATORY**

3M-1222-1	AUTOCLAVE TAPE 1 X 60"	ROLL	\$ 7.50
19128	RAINBOW MARKING, 19MM (8 COLORS 16 ROLLS 500") Blue, Green, Red, Pink, Yellow, Orange, white	PK/16	\$100.00
19100	WHITE MARKING, 19MM (16 ROLLS 2160")	PK/16	\$100.00

**SPECIMEN CONTAINERS - TAPES**

**TRANSWAB - TRANSTUBE**



**TRANSWAB® - THE ORIGINAL TRANSPORT DEVICE**

MW147	Transwab, Cytotak Brush, Sterile, Plastic Shaft, Peel Pouch	125	\$178.00
MW146	Transwab, Cytotak Brush, Non Sterile, Bags of 100	100	\$168.00
MW148	Transwab, Cytotak Brush, Sterile, Plastic Shaft, Labeled Tube	100	\$245.00
MW169P	Transwab, Duo Standard Plastic, Amies Medium	125	\$130.00
MW169C	Transwab, Duo Standard Plastic, Amies with Charcoal	125	\$130.00
MW173P	Transwab, Nasopharyngeal Flexi Fine Twisted Wire, Amies Medium	125	\$203.50
MW173C	Transwab, Nasopharyngeal Flexi Fine Twisted Wire, Amies/Charcoal	125	\$203.50
MW170	Transwab, Standard Plastic, Amies Medium	125	\$96.50
MW171	Transwab, Standard Plastic, Amies with Charcoal	125	\$96.50
MW168	Transwab, Standard Plastic, Cary Blair	125	\$95.50
MW172C	Transwab, Urethra/ENT Aluminum Wire Amies with Charcoal	125	\$157.50
MW172P	Transwab, Urethra/ENT Aluminum Wire, Amies Medium.	125	\$157.50
MW172CT	Transwab, Urethra/ENT Twisted Wire Amies with Charcoal	125	\$185.00
MW172PT	Transwab, Urethra/ENT Twisted Wire, Amies with Charcoal	125	\$185.00

**TRANSTUBE® - TRANSPORT DEVICE WITH SPONGE/MEDIA**

MW167	Transtube, Duo, Standard Plastic, Liquid Amies	125	\$130.00
MW178	Transtube, Nasopharyngeal Flexi Fine Twisted Wire, Liquid Amies	125	\$205.00
MW176	Transtube, Standard Plastic, Liquid Amies	125	\$110.00
MW177	Transtube, Urethra/ENT Aluminum Wire, Liquid Amies	125	\$155.00

## A combined viral specimen collection & transport system

Virocult® offers significant advantages over other commercially available transport systems and is used and endorsed by virologists throughout the world.

- **Easy and safe to use.** Simply sample the site of infection and insert the swab directly into the tube.
- **No hazardous ampoules to crush or seals to puncture.** Overcomes the need for a separate vial of transport medium and having to break off the swab stick.
- **Specimens transport safely at ambient temperature¹.**  
Typical survival times at 22-23°C  
Adenovirus 9 days      Coxsackie 10 days  
Parainfluenza 3 days      Herpes up to 12 days  
Influenza 3 days
- **Bacteria and fungi inhibited.** Chloramphenicol and Amphotericin antibiotics suppress growth of bacteria and fungi.
- **Pre-labelled colour coded transport tubes.**
- **Very economical.** 12 month shelf life, stored at room temperature.

Each Virocult® unit consists of a sterile swab and a pre-labelled transport tube which contains a foam pad saturated with 1.2ml of transport medium (balanced salt solution plus glucose, lactalbumin hydrolysate and antibiotics).

### In use

1. Peel open the sterile pack.
2. Take the sample.
3. Insert the swab into the transport tube.
4. Gently squeeze the base of the tube to bathe the swab with medium.



### Processing specimens

Virocult® is designed so that samples can be quickly processed in the laboratory. A suggested procedure for specimen treatment is as follows:-

1. Add approximately 2.0ml of Eagle's or Hanks' solution to the transport tube with the swab in situ.
2. Mix thoroughly using a vortex mixer or by squeezing the foam pad in the base of the tube several times.
3. Using a pipette withdraw the liquid and add approximately 0.2ml of the suspension to each culture tube.

### Using Virocult®

Often the clinical worker is required to send virus-containing specimens to a dedicated laboratory for further investigation.

This may be for assessment of possible treatments, detailed identification of the strains or documentation of novel strains, or as part of general surveillance and epidemiology.

In a variety of circumstances, swab sampling may be indicated for

Herpes Simplex Virus, Varicella-Zoster Virus, influenza, respiratory syncytial virus, mumps virus, adenovirus, rhinovirus and various enteroviruses. Virocult® provides a ready-to-use, high quality, CE-marked sterile swab for sampling, and a stable Virocult® transport medium for safe transport of the sample to the laboratory. The virus will remain in a viable condition even during extended transit periods.

### When to sample

The best time to isolate live virus particles is as soon as possible after the patient first presents with symptoms. Virus is usually present in maximum concentration at this stage, and then falls away. The patient may recover, but the opportunity will be lost for satisfactory specimens for epidemiology. Also, taking samples after a period of unsuccessful treatment with antibiotics is unlikely to be of use.

### Where to sample

Determined by clinical symptoms and signs, and the known pathogenesis of the suspected virus. Generally the epithelial surface that is the normal entry point and primary site of viral replication should be sampled. The most important specimen, routine in respiratory infections as well as in many generalised infections is a nasal or throat swab. The second specimen, routine in enteric and many generalised infections is faeces.

Swabs may also be taken from the genital tract, from the eye, or from vesicular skin lesions.

### Order Details



Code	Description	Quantity
MW950	STANDARD PLASTIC SHAFT <b>GENERAL PURPOSE</b>	125
MW974	STRAIGHT ALUMINIUM WIRE <b>URETHRAL ENT</b>	125
MW975	TWISTED FLEXIBLE WIRE <b>ENT, PERNASAL &amp; NPG</b>	125

### References

1. Porterfield J.N., Hume R.D. Evaluation of Virocult collection and transport device. American Society of Microbiology AGM 1979
2. Johnson F.B., Leavitt R.W., Richards D.F. Evaluation of Virocult transport tube for isolation of Herpes simplex virus from clinical specimens. J.Clin Microbiol 1984; 20: 120-122.
3. Arvin A.M., Prober, C.G. Herpes Simplex Viruses in Manual of Clinical Microbiology, 7th Edition, 1999, American Society of Microbiology.
4. White D., Fenner F.J., Laboratory Diagnosis of Viral Diseases in Medical Virology, 4th Edition, 1994, Academic Press.

# Σ-Transwab®

## Σ-Transwab® - The all new system for specimen collection and transport.

Transwab® was the first commercially produced gel transport swab, and for many years has led the field for reliable microbiological specimen collection and transport. A programme of continuous development has kept Transwab® ahead of changes in laboratory science and regulatory requirements, so that it remains a trusted partner in the diagnosis of infectious disease<sup>1-8</sup>. Sigma-Transwab® combines all of this experience in an all-new format and technology for the new era of liquid preanalytical microbiology, while remaining completely suitable for conventional methodologies.

The specimen is collected by swab into the tube containing 1 ml of Liquid Amies Transport Medium. The microorganisms from the initial specimen are dispersed throughout the medium, producing a uniform suspension ready for use, either in an automatic sampling and inoculation system, or directly with any of the many rapid molecular tests currently available. The process is enhanced by the incorporation of an open-celled foam-tipped swab which allows complete flow through of the liquid medium, reagents, and microorganism. This increases the sensitivity of any diagnostic procedures.

The vial, made from shatterproof polypropylene, has a conical base, and can be centrifuged if required. The base is skirted, so the tube is free standing for convenience of use at the bench, while the new screw cap ensures secure containment of liquids. The cap also incorporates an ingenious swab capture mechanism. Thus when the swab is placed in the tube, snapped at its break point and broken, and the cap screwed home, the swab is "captured" securely, so that when the cap is removed, whether manually or mechanically, the swab is automatically removed with the cap.

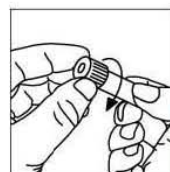
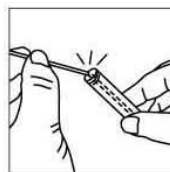
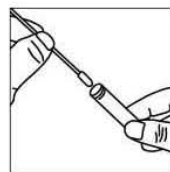
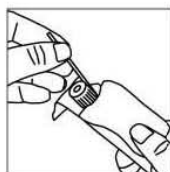
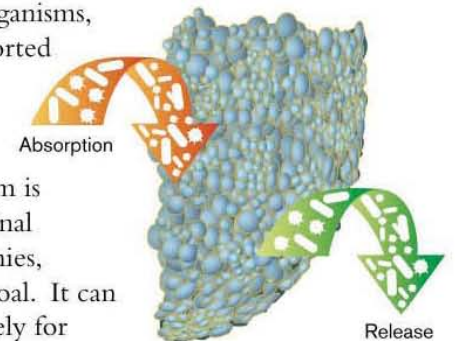
Sigma-Transwab® is also available in two further formats with colour coded caps.

Sigma-Transwab® (dual format) has two standard swabs with breakpoints, and is convenient when a patient is being swabbed at multiple sites, such as for MRSA-screening. The dual format does not use the swab capture mechanism.

Sigma-Transwab® (mini-tip format) uses a narrow fine-tip shaft, also with a foam tip, and is particularly suited for nasopharyngeal and urethral specimens. This does not use the swab capture mechanism.

All variants of Sigma-Transwab® are M40-A compliant, suitable for aerobic, anaerobic and fastidious microorganisms, and can be transported at ambient or refrigerator temperatures.

The liquid medium is based on the original formulation of Amies, but without charcoal. It can be used immediately for Gram stains at the time of collecting the specimen, and transported securely whether by external courier or internal pneumatic system. All Sigma-Transwabs® are CE-marked, and conform to the requirements of the European Medical Devices Directive and In Vitro Medical Devices Directives<sup>31,32</sup>.



# Σ-Transwab,<sup>®</sup> liquid transport for automated & conventional processing.

**M40**  
COMPLIANT



## New collection vial

- Screw cap – for sample integrity and security
- Compatible with most automatic decapping systems
- Integral swab capture – no further manual handling of swab shaft required
- Colour coded caps according to format and application
- Self-standing for convenience
- Inner conical base – can be centrifuged
- Shatterproof polypropylene

## New Sigma-swab<sup>®</sup>

- Soft polyurethane foam bud preferred by patients
- High absorbency for optimum sample uptake
- Open cell for complete flow through of medium and reagents<sup>24-28</sup>
- Maximum release of microorganism
- Entire specimen is released into liquid phase
- Breakpoint for easy handling, ensures exact fit of swab in tube and swab capture
- Fine-tip option available for urethral and nasopharyngeal specimens

## New transport medium

- Liquid Amies for automated and conventional processing
- Liquid Amies provides suspension for quick Gram stain and multiple cultures
- Liquid Amies maintains viability of Aerobes, Anaerobes, and Fastidious bacteria for up to 48 hours at ambient and refrigerated temperatures (as required for M40 compliance)<sup>1,3,29</sup>
- Rapid elution of specimen allows accurate and quantitative dilutions
- Stable at room temperature for 24 months



# Σ-Virocult®

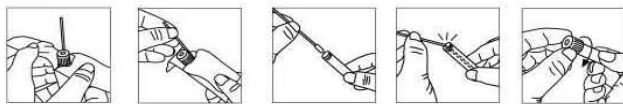
## For virus isolation and identification

many studies in recent years have shown Virocult® to be completely compatible with many of the newer molecular techniques such as DFA, ELISA and PCR.

Virocult® & Sigma-Virocult® have been validated according to CLSI's M40-A standard for viral culture transport devices, which requires survival of reference strains for at least 96 hours at ambient or refrigerated temperatures.

Sigma-Virocult® is supplied with Sigma-Swab®, the open cell foam tipped swabs which allows optimum uptake and release of target microorganisms, and complete flow-through of reagents for optimum sensitivity for molecular test protocols. Standard Sigma-Swab® is suitable for general swab applications such as skin lesions, nose and throat. Sigma-Swab® ENT /urethral is suitable for nasopharyngeal and urethral sampling.

Sigma-Virocult® is supplied as a sterile device comprising a self-standing conical based vial with 2ml of Virocult® medium, and a choice of 1 or 2 standard Sigma-Swab®, 1 fine-tip Sigma-Swab® ENT/urethral, or one of each. It is stored at room temperature, with a shelf life of 1 year.



Specimens, once collected, can be transported under ambient or refrigerator temperature conditions. Sigma-Virocult® is CE-marked, and conforms to the requirements of the European Medical Devices Directive and In Vitro Medical Devices Directives.



# Σ-Swab®

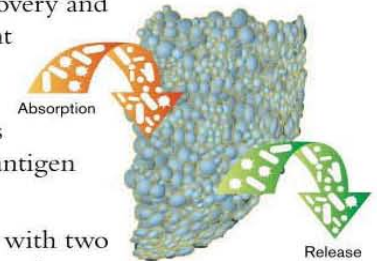
## Σ-Swab® - the medium free transport system

- No dilution of sample
- No overgrowth
- No non-viables
- Suitable for bacteria, fungi, viruses
- Open-celled, inert structure allows free access to reagents for direct testing

Sigma-Swabs®.

Medical Wire's Sigma-Swab® features a special polyurethane foam tip (standard or ENT fine-tip). Studies have shown that a dry polyurethane foam-tipped swab can be used for the transport of many micro-organisms. The soft-foam bud is more comfortable for patients, and has significant advantages for both conventional and molecular methods<sup>23-28</sup>.

In-house and published studies show that Sigma-Swab® maintains many classes of organisms in stable numbers, including bacteria<sup>26-28</sup>, fungi, viruses<sup>23</sup>, and mycoplasma. It is particularly useful for MRSA screening, with good recovery and no overgrowth. Absorbent foam-tipped swabs have been shown to be superior to flocked swabs when used with a rapid antigen test for influenza<sup>24</sup>.



Sigma-Swab® is available with two bud types. The standard version has a normal sized bud suitable for general purpose swabbing such as wounds, including surgical wounds, skin, mouth, nose and throat. The fine-tip version (Mini Sigma-Swab®) has a narrow shaft and is especially suited for urethral and nasopharyngeal sampling.

Sigma-Swab® and Mini Sigma-Swab® are supplied sterile in peel pouch, tubed and tubed-duo formats.





# Σ-Virocult<sup>®</sup>, with classic Virocult<sup>®</sup> medium for virus isolation and identification

**M40**  
COMPLIANT



## Sigma-Swab<sup>®</sup>

- Open-celled foam bud
- Optimum absorption and release
- Optimum performance with molecular test systems
- Standard shaft or ENT/urethral

## Virocult<sup>®</sup> medium

- Optimum recovery of target organisms
- Optimum compatibility with molecular test systems
- Antibiotics inhibit bacteria and fungi
- Recovers wide range of respiratory, genital and enteric viruses
- Transport specimens at ambient temperatures
- Choice of fill volume

Sigma-Virocult<sup>®</sup> combines Medical Wire's open cell bud Sigma-Swab<sup>®24-28</sup> with Virocult<sup>®</sup> medium<sup>9-23</sup>, for long the leading transport medium for virus specimens. Virocult<sup>®</sup> medium can be used with traditional cell culture techniques, or the many current molecular techniques.

Virocult<sup>®</sup> has long been recognised as one of the best transport devices for viruses, demonstrating survival of many types of virus at ambient temperatures, including Herpes Simplex Virus, Varicella-Zoster Virus, Influenza Type A (including Novel H1N1, H5N1, and H3N2), Influenza Type B, respiratory syncytial virus, mumps virus, adenovirus, rhinovirus, and various enterovirus.

Virocult<sup>®</sup> medium stabilises the virus particles allowing long survival, and also contains antimicrobials to prevent the growth of any bacteria and fungi present in the specimen. These features make it suitable for cell culture based analysis, but



**SIGMA VIROCULT**

# Σ-VCM<sup>®</sup>, for Viruses, Chlamydia, Mycoplasmas & Ureaplasmas



## Sigma- VCM<sup>®</sup>

- Sigma-Swab<sup>®</sup>, with new VCM<sup>®</sup> medium for viruses, Chlamydia, Mycoplasmas & Ureaplasmas

## Sigma-Swab<sup>®</sup>

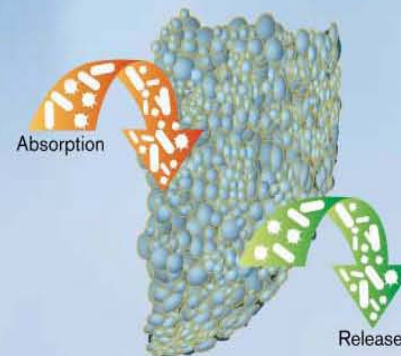
- Open-celled foam bud
- Optimum absorption and release
- Optimum performance with molecular test systems <sup>24-28</sup>

## VCM medium

- Optimum recovery of target organisms
- Optimum compatibility with molecular test systems
- Antibiotics inhibit contaminating bacteria and fungi
- Choice of fill volume

## New collection vials

- Screw cap – for sample integrity and security
- Compatible with most automatic decapping systems
- Self-standing for convenience
- Inner conical base – can be centrifuged
- Shatterproof polypropylene



Σ-Swab<sup>®</sup> features unique open cell structure for optimum absorbance and release of microorganisms and reagents.

# Σ-VCM<sup>®</sup>

## Σ-VCM<sup>®</sup>, with new VCM<sup>™</sup> medium for Viruses, Chlamydia, Mycoplasma & Ureaplasmas



Sigma-VCM<sup>®</sup> retains the qualities of Virocult<sup>®</sup> medium<sup>9-23</sup>, but has been adapted to make it suitable not only for viruses, but also for chlamydia, mycoplasma, ureaplasmas,

and certain important fastidious bacteria. The base medium allows survival and recovery of the target organisms, while a new cocktail of antimicrobials prevents the growth of most contaminating bacteria and fungi in the specimen which could compromise its integrity.

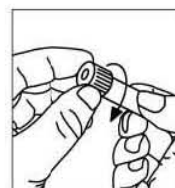
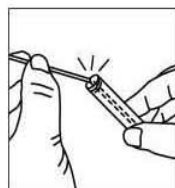
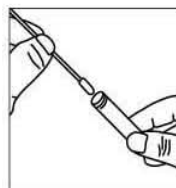
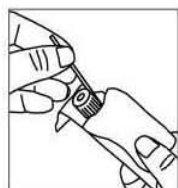
Glass beads in the medium, when vortexed, help to break open cells for the release of intracellular organisms, such as chlamydia & viruses. A version without beads is also available.

Sigma-VCM<sup>®</sup> is supplied with Sigma-swabs<sup>®24-28</sup>, the open cell foam tipped swabs which allow optimum uptake and release of target microorganisms, and complete flow-through of reagents for optimum sensitivity for molecular test protocols. Standard Sigma-swab<sup>®</sup> is suitable for general swab applications such as skin lesions, nose and throat. Mini-tip Sigma-swabs<sup>®</sup> are suitable for nasopharyngeal and urethral sampling.

Internal studies have shown that Sigma-VCM<sup>®</sup> will recover viruses, chlamydia, mycoplasmas and ureaplasmas so that they can be identified, either by gold standard culture methods, and by the new molecular techniques that have become routine for most laboratories.

Sigma-VCM<sup>®</sup> will also recover certain fastidious bacteria such as *Neisseria gonorrhoeae*, making it the ideal swab device for STD clinics.

Sigma-VCM<sup>®</sup> is available in a range of formats, reflecting the many applications for which it can be used. It is supplied as a sterile device comprising a self-standing conical based vial with 1ml or 3ml of VCM<sup>™</sup> medium, and a choice of 1 or 2 Sigma-swabs<sup>®</sup>, 1 or 2 mini-tip Sigma-swabs<sup>®</sup>, or one of each. All standard versions come with glass beads in the medium. It is also possible to have Sigma-VCM<sup>®</sup> without beads, or to have tubes containing 1ml or 3ml of VCM<sup>™</sup> medium (with beads).



**SIGMA TRANSWABS, SIGMA SWABS, & SIGMA VIROCULTS PRICE SHEET**

**SIGMA TRANSWABS, SIGMA SWABS AND SIGMA VIROCULTS**

MW167S	Sigma Transwab, Liquid Amies (2 Sigma swabs + Capsure)	125	\$343.00
MW176S	Sigma Transwab, Liquid Amies 1ml (1 Sigma swab + Capsure)	125	\$215.85
MW176S2ML	Sigma Transwab, Liquid Amies 2ml (1 Sigma swab + Capsure)	125	\$220.85
MW176S3	Sigma Transwab, Liquid Amies (3 Sigma swab + Capsure)	125	\$388.00
MW177S	Sigma Transwab, Liquid Amies, Small Vial	125	\$229.50
MW940	Σ-Swab, Sigma Swab, Polyurethane Foam Swab, Peel Pouch	125	\$ 97.50
MW940/1250	Σ-Swab, Sigma Swab, Polyurethane Foam Swab, Peel Pouch	1250	\$975.00
MW941	Σ-Swab, Sigma Swab, Polyurethane Foam Swab, Carrier Tube	100	\$ 94.00
MW942	Σ-Swab, Sigma Swab-Duo, Polyurethane Foam Dual Swab, Carrier Tube	125	\$250.00
MW943/125	Σ-Swab, ENT in Peel Pouch	125	\$185.00
MW943/1250	Σ-Swab, ENT in Peel Pouch	1250	\$1141.00
MW944	Σ-Swab, 2 x Sigma Swab, individual peel pouch	125	\$165.00
MW945	Σ-Swab, 1xSigma Swab, 1xENT individual in peel pouch	125	\$185.00
MW946	Σ-Swab, ENT in Labeled Tube	100	\$155.00
MW950	Virocult, Standard Plastic	125	\$190.00
MW950S	Sigma Virocult, Plastic Shaft w/Viral transport Medium	125	\$193.10
MW950S2	Sigma Virocult Duo, 2 Plastic Shafts w/Viral Transport Medium	125	\$257.50
MW950S3	Sigma Virocult, 3 Plastic Shafts w/ Viral Transport Medium	125	\$318.85
MW950SENT	Sigma Virocult, ENT, Fine Tip, Plastic Shaft w/Viral Transport Medium	125	\$277.50
MW950SE2	Sigma Virocult, 1 Sigma Swab, 1 Sigma ENT, w/Viral Transport Medium	125	\$421.00
MW950T	Sigma Virocult Medium only 2ml Tube (Large Vial)	50	\$ 81.65
MW951S	Sigma Virocult, Sigma Swab & breakpoint + 1ml of VTM (Small Vial)	125	\$188.10
MW951SENT	Sigma Virocult, ENT, Sigma Swab & breakpoint + 1ml of VTM (Small Vial)	125	\$262.00
MW951T	Sigma Virocult Medium only 1ml Tube (Small Vial)	50	\$ 76.00
MW974	Virocult, Urethral/ENT Aluminium Wire (SEE MW951SENT)	125	
MW975	Virocult, Urethral/ENT Twisted Wire (SEE MW951SENT)	125	



**WHIRL-PAK SAMPLING PASTIC BAGS**

**WHIRL-PAK BAGS**

**STERILE - PLAIN STYLE**

BO1009wa	WHIRL-PAK® 2oz 2.25 MIL(60ml) 3 X 5"	PK/500	\$72.50
B00679wa	WHIRL-PAK® 4oz 2.25 MIL(180ml)3 X 7 1/4"	PK/500	\$75.00
B00992wa	WHIRL-PAK® 7oz 3 MIL(210ml)3 3/4 X 7"	PK/500	\$91.00
BO1018wa	WHIRL-PAK® 13oz 3 MIL(390ml) 5 1/4 X 7 1/2"	PK/500	\$117.30
B00736wa	WHIRL-PAK® 18oz 2.5 MIL(530ml) 4 1/2 X 9"	PK/500	\$105.00
B00990wa	WHIRL-PAK® 27oz 3 MIL(810ml) 5 X 12"	PK/500	\$143.40
B00994wa	WHIRL-PAK® 36oz 3 MIL(1080ml) 5 X 15"	PK/500	\$167.75
B01020wa	24oz 2.5 MIL(710ml) 6 X 9" W/POCKET	PK/500	\$137.70
B01063wa	WHIRL-PAK® 24oz 4 MIL(710ml) 6 X 9"	PK/500	\$178.50
B01027wa	WHIRL-PAK® 42oz 3 MIL(1260ml)6 X 15"	PK/500	\$196.30
B01323wa	WHIRL-PA®K 69oz 3 MIL(2070ml)7 1/2 X 15"	CS/500	\$224.60

**STERILE SAMPLING BAGS - WRITE ON STYLE**

B01064wa	WHIRL-PAK® 2oz 2.25 MI (60ml) 3 X 5"	PK/500	\$ 77.75
B01062wa	WHIRL-PAK® 4oz 2.25 MIL (180ml)3 X 7 1/4"	PK/500	\$ 80.00
B01489wa	WHIRL-PAK® 7oz (207ml)	PK/500	
B01490wa	WHIRL-PAK® 13oz (384ml)	PK/500	
B01065wa	WHIRL-PAK® 18oz 2.5 MIL (530ml)4 1/2 X 9"	PK/500	\$112.60
B01297wa	WHIRL-PAK® 24oz 3 MIL (710ml) 6 X 9"	PK/500	\$148.50
B01196wa	WHIRL-PAK® 24oz 4 MIL(710ml) 6 X 9"	PK/500	\$187.00

**THIOBAG**

B01040wa	THIO BAG 4oz 3X7.25"	PK/100	\$35.52
B01254wa	THIO-BAG 18oz 4 1/2 X 9"	PK/100	\$79.80
B01402WA	THIO-BAG, 100ml STAND UP	PK/100	\$42.10
B01403WA	THIO-BAG, 300ml STAND UP	PK/100	\$89.50
B01417WA	COLI-TEST BAG, 100ml FOR COLOR CHANGE REAGENTS	PK/100	\$44.30
B01440WA	THIO-BAG, WASTE WATER 100ml	PK/100	\$39.30

**SPECI-SPONGE BAGS**

BO1245wa	SPECI-SPONGE BAG 18oz 4 1/2x9"	PK/100	\$155.50
B01299wa	SPECI-SPONGE BAG 55OZ 7 1/2X12"	PK/100	\$227.25

**STERILE BAGS FOR LAB BLENDERS**

B01018wa	5.25 x 7.5", 3 mil, 13 oz	PK/500	\$117.30
B01063wa	6 x 9", 4 mil, 24oz	PK/500	\$178.60
B01196wa	6X9", 4 mill, 24oz, WRITE-ON	PK/500	\$187.00
B01239wa	7x13" 4 mil round bottom 52oz. WRITE-ON	PK/500	\$187.60
B01195WA	7.5 X 12", 4mil, 55oz, WRITE-ON	PK/500	\$260.60



# PRICES CODES

PRICE CODES – TABLES JANUARY 2016

## QC Microorganisms

### INOCU-SWABS

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#### INOCU-SWABS

##### CS PRICES, PER EACH 5 PK

CODE A - \$63.00, B - \$74.00, C - \$87.00, D - \$100.00 F - \$155.00

##### DP PRICES, PER 2 PK

CODES A - D \$47.00 EACH 2 PK

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#### PRODUCT DISPLAYING THIS LOGO



ARE A LICENSED MEMBER OF THE “ATCC® LICENSED DERIVATIVE PROGRAM”. SEE PAGE 2 REGARDING THIS PROGRAM WITH THE INOCU-SWABS PRODUCT LINE. THIS PROGRAM REQUIRES AN “END USER AGREEMENT” BE ON FILE WHICH CAN BE SUBMITTED ON FROM OUR WEBSITE [WWW.LAKEWOODBIO.COM](http://WWW.LAKEWOODBIO.COM) BY THE END USER.

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#### PREPARED MEDIA PRICES:

PRICE DISCOUNTS FOR ROUTINE ORDERS OF PREPARED CULTURE MEDIA ARE BASED ON THE CUSTOMERS ANNUAL USAGE. PRICES FOR PRODUCTS ARE SUBJECT TO CHANGE AS PRICE INCREASES FROM THE VARIOUS MANUFACTURES ARE ENCOUNTERED.

#### PREPARED MEDIA PRICE CODES 01/13

##### UNIT QUANTITY UNDER:

UNITS	100	200	500	999	1000+
A	1.02	0.96	0.85	0.74	0.60
B	1.10	1.05	0.92	0.82	0.72
C	1.65	1.50	1.35	1.20	1.05
D	1.90	1.75	1.60	1.45	1.30
E	2.35	2.20	2.05	1.80	1.75
F	3.00	2.75	2.60	2.45	2.30

PRICE CODES TABLES

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