

INVENIO MEDICAL – 2020 ANNUAL REPORT

AptaSure MRSA Test Data Potential Interfering Substances Study

Potential Interfering Substance	Concentration	AptaSure™ MRSA
Respiratory Specimens		
Mucin: bovine submaxillary gland, type I-S	100 ug/ml	Negative
Biotin	100 uh/ml	Negative
Whole Blood (human), EDTA anticoagulated	5% (v/v)	Negative
Nasal Sprays or Drops		
CVS Nasal Drops (Phenylephrine)	17% (w/v)	Negative
Afrin Nasal Spray (Oxymetazoline)	14% (w/v)	Negative
Saline Nasal Spray	10% (w/v)	Negative
Fluticasone Propionate	4% (w/v)	Negative
Homeopathic Zicam Allergy Relief Nasal Gel	4% (w/v)	Negative
Olopatadine Hydrochloride	10 mg/ml	Negative
CVS Nasal Spray (Sodium Cromoglycate)	16% w/v	Negative
Naso Gel (NeilMed)	6% w/v	Negative
Anti-viral drugs		
Zanamivir (Influenza)	5 mg/ml	Negative
Tamiflu - Oseltamivir Phosphate (Influenza)	6 mg/ml	Negative
Lamivudine (Retroviral medication)	1 mg/ml	Negative
Quinine (Malaria)	105 uM	Negative
Ribavirin (HCV)	1 mg/ml	Negative
Ribavirin (HCV)	1 mg/ml	Negative
Daclatasvir (HCV)	1 mg/ml	Negative
Antibiotics		
Mupirocin	10 mg/ml	Negative
Tobramycin	5 ug/ml	Negative
Erythromycin	81.6 uM	Negative
Ciprofloxacin	30.2 uM	Negative
Anti-inflammatory medication		
Acetaminophen	199 uM	Negative
Acetasalicylic acid	3.62 mM	Negative
Ibuprofen	2.425 mM	Negative

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Sample		Strain	Source / SpecimenType	Control Line	AptaSure MRSA
1.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 1	AMMS/Inactivated viral culture	++++	Negative
7.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 3	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 3	AMMS/Inactivated viral culture	++++	Negative
4.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 5	ATCC® - VR-5™	+++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 5	ATCC® - VR-5™	++++	Negative
1.0 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 7	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 7	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 8	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 8	AMMS/Inactivated viral culture	++++	Negative
2.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 11	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 11	AMMS/Inactivated viral culture	+++	Negative
2.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 18	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 18	AMMS/Inactivated viral culture	++++	Negative
6.0 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 23	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 23	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Adenovirus	Type 55	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	Type 55	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	C1 Ad. 71	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	C1 Ad. 71	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	C1 Ad. 71	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Adenovirus	C1 Ad. 71	AMMS/Inactivated viral culture	++++	Negative

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1 x 10 ⁵ PFU/ml	Adenovirus	C1 Ad. 71	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Bordetella pertussis</i>	18323	ATCC® - 9797D-5™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Bordetella pertussis</i>	18323	ATCC® - 9797D-5™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Bordetella pertussis</i>	H922	ATCC® - BAA-2706™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Bordetella pertussis</i>	H922	ATCC® - BAA-2706™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Bordetella pertussis</i>	CNCTC Hp 12/63 [623]	ATCC® - 51445™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Bordetella pertussis</i>	CNCTC Hp 12/63 [623]	ATCC® - 51445™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Candida albicans</i>	CBS 562	ATCC® - 18804™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Candida albicans</i>	CBS 563	ATCC® - 18804™	++++	Negative
7.88 x 10 ⁸ CFU/ml	<i>Candida albicans</i>	CBS 564	ATCC® - 18804™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Candida albicans</i>	NIH 3172	ATCC® - 14053D-5™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Candida albicans</i>	NIH 3173	ATCC® - 14053D-5™	+++	Negative
1 x 10 ⁵ PFU/ml	<i>Candida albicans</i>	GDH16	ATCC® - MYA273™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Candida albicans</i>	GDH16	ATCC® - MYA273™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Chlamydia pneumoniae</i>	A03	ATCC® - VR-1452™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Chlamydia pneumoniae</i>	A03	ATCC® - VR-1452™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Chlamydia pneumoniae</i>	TW-183	ATCC® - VR-2282™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Chlamydia pneumoniae</i>	TW-183	ATCC® - VR-2282™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Chlamydia pneumoniae</i>	J-21	ATCC® - VR-1435™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Chlamydia pneumoniae</i>	J-22	ATCC® - VR-1435™	++++	Negative
5 x 10 ⁸ TCID ₅₀ /ml (3.8 x 10 ⁸ copies/ml)	Enterovirus Species A	Erdman	NCPV 0812215v	++++	Negative
5.10 x 10 ⁷ TCID ₅₀ /ml (1.10 x 10 ⁸ copies/ml)	Enterovirus Species B	Echovirus 6	Zeptomatrix 0810076CF	++++	Negative
5 x 10 ⁸ TCID ₅₀ /ml (3.8 x 10 ⁸ copies/ml)	Enterovirus Species C	Coxsackievirus A17	ATCC® - VR-1023™	++++	Negative
1.58 x 10 ⁶ TCID ₅₀ /ml	Enterovirus Species D	68	Zeptomatrix 0810237CF	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Haemophilus influenzae</i>	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Haemophilus influenzae</i>	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Haemophilus influenzae</i>	N/A	AMMS/Inactivated viral culture	++++	Negative

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1.5 x 10 ⁶ TCID ₅₀ /ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Human Metapneumovirus (hMPV)	N/A	AMMS/Inactivated viral culture	++++	Negative
3.0 x 10 ⁸ TCID ₅₀ /ml	Influenza A	H1N1 Denver	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza A	H1N1 Denver	AMMS/Inactivated viral culture	++++	Negative
2 x 10 ⁸ TCID ₅₀ /ml	Influenza A	H1N1 WS/33	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza A	H1N1 WS/34	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁸ TCID ₅₀ /ml	Influenza A	H1N1 A/Mal/302/54	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza A	H1N1 A/Mal/302/55	AMMS/Inactivated viral culture	++++	Negative
7.6 x 10 ⁸ TCID ₅₀ /ml	Influenza A	H1N1 New Caledonia	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza A	H1N1 New Caledonia	AMMS/Inactivated viral culture	++++	Negative
4.6 x 10 ⁸ TCID ₅₀ /ml	Influenza A	H3N2 A/Hong Kong/8/68	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza A	H3N2 A/Hong Kong/8/69	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁸ TCID ₅₀ /ml	Influenza B	Nevada/03/201 1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza B	Nevada/03/201 2	AMMS/Inactivated viral culture	++++	Negative
8.5 x 10 ⁸ TCID ₅₀ /ml	Influenza B	B/Lee/40	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza B	B/Lee/41	AMMS/Inactivated viral culture	++++	Negative
4. x 10 ⁸ TCID ₅₀ /ml	Influenza B	B/Taiwan/2/62	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Influenza B	B/Taiwan/2/63	AMMS/Inactivated viral culture	++++	Negative

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1 x 10 ⁵ PFU/ml	Legionella pneumophila	Bloomington-2	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Legionella pneumophila	Los-Angeles-1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Legionella pneumophila	82A3105	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycoplasma pneumoniae	Mutant 22	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycoplasma pneumoniae	FH strain of Eaton Agent [NCTC10119]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycoplasma pneumoniae	36M129-B7	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycobacterium tuberculosis	K	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycobacterium tuberculosis	Erdman	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycobacterium tuberculosis	HN878	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Mycobacterium tuberculosis	CDC1551	AMMS/Inactivated viral culture	++++	Negative
1x 10 ⁵ PFU/ml	Mycobacterium tuberculosis	H37RV	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 1	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 2	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 2	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 2	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 3	AMMS/Inactivated viral culture	++++	Negative

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1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 4	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 5	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 3	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 3	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 3	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 4	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 5	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus	Type 6	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Parainfluenza virus 4A	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus 4A	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus 4A	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Parainfluenza virus 4A	Type 4A	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Pneumocystis jirovecii	M167-6	ATCC® - PRA-159™	++++	Negative
1 x 10 ⁶ PFU/ml	Pneumocystis jirovecii	M167-6	ATCC® - PRA-159™	++++	Negative
1 x 10 ⁵ PFU/ml	Pneumocystis jirovecii	N/A	ATCC® - PRA-111™	++++	Negative
1 x 10 ⁶ PFU/ml	Pneumocystis jirovecii	N/A	ATCC® - PRA-111™	++++	Negative
N/A	Pooled human nasal wash	N/A	Pooled human nasal wash - AHMC Labs	++++	Negative
N/A	Pooled human nasal wash	N/A	Pooled human nasal wash - AHMC Labs	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Rhinovirus	A16	AMMS/Inactivated viral culture	++++	Negative
1.5 x 10 ⁶ TCID ₅₀ /ml	Rhinovirus	A16	AMMS/Inactivated viral culture	++++	Negative

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1.5 x 10 ⁶ TCID ₅₀ /ml	Rhinovirus	A16	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Rhinovirus	A17	AMMS/Inactivated viral culture	++++	Negative
2 x 10 ⁵ PFU/ml	Rhinovirus	A18	AMMS/Inactivated viral culture	++++	Negative
3 x 10 ⁵ PFU/ml	Rhinovirus	A19	AMMS/Inactivated viral culture	++++	Negative
2.5 x 10 ⁶ TCID ₅₀ /ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
2.5 x 10 ⁶ TCID ₅₀ /ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
2.5 x 10 ⁶ TCID ₅₀ /ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	Respiratory syncytial virus (RSV)	RSVA	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus aureus</i>	NCTC 8532	ATCC® - 12600™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus aureus</i>	NCTC 8532	ATCC® - 12600™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus aureus</i>	FDA 209P	ATCC® - 6538P™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus aureus</i>	FDA 209P	ATCC® - 6538P™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus epidermidis</i>	1191	ATCC® - 700562™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus epidermidis</i>	1191	ATCC® - 700562™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus epidermidis</i>	RP12 [CIP 106510]	ATCC® - 35983™	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Staphylococcus epidermidis</i>	RP12 [CIP 106510]	ATCC® - 35983™	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative

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1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	Typing strain T1 [NCIB 11841, SF, 130]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	4752-98 [Maryland (D1)6B-17]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	4752-98 [Maryland (D1)6B-17]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	178 [Poland 23F-16]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	179 [Poland 23F-16]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	262 [CIP 104340]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	263 [CIP 104340]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁵ PFU/ml	<i>Streptococcus pyogenes</i>	Slovakia 14-10 [29055]	AMMS/Inactivated viral culture	++++	Negative
1 x 10 ⁶ PFU/ml	<i>Streptococcus pyogenes</i>	Slovakia 14-10 [29055]	AMMS/Inactivated viral culture	++++	Negative