

# Zone Diameter Interpretive Criteria nearest Whole mm

جدول تفسیر هاله عدم رشد باکتریها در

تست تعیین حساسیت آنتی بیوتیکی



تهیه شده توسط شرکت پادتن طب

Reference: CLSI VET01S (7<sup>th</sup> Edition)

Performance Standard for Antimicrobial Disk Susceptibility Tests for Bacteria Isolated From Animals

SYMBOL	Antimicrobial Agent	Disk Content (µg)	S	I	R	Escherichia Coli ATCC 25922	Staphylococcus aureus ATCC 25923	Pseudomonas Aeruginosa ATCC 27853	Escherichia Coli ATCC 35218	Streptococcus Pneumoniae ATCC 49619	Mannheimi Haemolytica ATCC33396	Histophilus Somni ATCC700025	Actinobacillus Pleuropneumoniae ATCC27090
AM	<b>Ampicillin</b>	10				15-22	27-35	-	-	30-36z	-	-	-
	<i>Enterobacteriales(SST) (dogs-cats-)</i>		-	-	-								
	<i>Enterobacteriales(Ur) (dogs-cats)</i>		17	-	-								
	<i>Enterobacteriales (horses)</i>		-	-	-								
	<i>Enterobacteriales(metritis) (cattle)</i>		-	-	-								
	<i>Staphylococcus SPP(SST) (dogs)</i>		-	-	-								
	<i>Streptococcus SPP.(SST) (dogs)</i>		-	-	-								
	<i>Staphylococcus SPP(Ur-SST)(cats)</i>		-	-	-								
	<i>Staphylococcus SPP(SST-resp)(horses)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (horses)</i>		-	-	-								
	<i>Entrococcus spp.(SST) (dogs)</i>		-	-	-								
	<i>Entrococcus spp.(Ur) (dogs-cats)</i>		17	-	16								
	<i>Streptococcus SPP.(Ur-SST)(cat)</i>		-	-	-								
	<i>Streptococcus SPP.(resp)(horses)</i>		-	-	-								
	<i>Streptococcus SPP.(resp) (swine)</i>		-	-	-								
	<i>Bordetella bronchiseptica (resp) (swine)</i>		-	-	-								
	<i>Mannheimia haemolytica(resp) (cattle)</i>		-	-	-								
	<i>Pasteurella multocida(Ur-SST)(cats)</i>		-	-	-								
	<i>Pasteurella multocida(resp)(cattle)</i>		-	-	-								
	<i>Pasteurella multocida(resp)(swine)</i>		-	-	-								
<i>Actinobacillus SPP.(resp)(swine)</i>	-	-	-										
<i>Histophilus somni (resp) (cattle)</i>	-	-	-										

<b>SYMBOL</b>	<b>Antimicrobial Agent</b>	<b>Disk Content (µg)</b>	<b>S</b>	<b>I</b>	<b>R</b>	<b>Escherichia Coli ATCC 25922</b>	<b>Staphylococcus aureus ATCC 25923</b>	<b>Pseudomonas Aeruginosa ATCC 27853</b>	<b>Escherichia Coli ATCC 35218</b>	<b>Streptococcus Pneumoniae ATCC 49619</b>	<b>Mannheimi Haemolytica ATCC33396</b>	<b>Histophilus Somni ATCC700025</b>	<b>Actinobacillus Pleuropneumoniae ATCC27090</b>
<b>AN</b>	<b>Amikacin</b>	<b>30</b>				<b>19-26</b>	<b>20-26</b>	<b>20-26</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<i>Enterobacterales (dogs-adults horses)</i>		<b>20</b>	<b>17-19</b>	<b>16</b>								
	<i>Enterobacterales (foals horses)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Staphylococcus SPP. Non beta lactam (dogs- horses)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Pseudomonas aeruginosa(dogs)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Pseudomonas aeruginosa (horses)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Streptococcus SPP. (dogs)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
<i>Streptococcus SPP.(horses)</i>	<b>-</b>	<b>-</b>	<b>-</b>										
<b>AMC</b>	<b>Amoxicillin-clavulanic acid</b>	<b>20/10</b>				<b>18-24</b>	<b>28-36</b>	<b>-</b>	<b>17-22</b>	<b>15-23</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<i>Enterobacterales(SST) (dogs-cats)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Enterobacterales(Ur) (dogs-cats)</i>		<b>18</b>	<b>-</b>	<b>-</b>								
	<i>Staphylococcus SPP(Ur-SST)(dogs)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Staphylococcus SPP(Ur-SST)(cats)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Entrococcus spp.(Ur) (dogs-cats)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
	<i>Streptococcus SPP.(Ur-SST)(cat)</i>		<b>-</b>	<b>-</b>	<b>-</b>								
<i>Pasteurella multocida(Ur-SST)(cats)</i>	<b>-</b>	<b>-</b>	<b>-</b>										
<b>FOV</b>	<b>Cefovecin</b>	<b>30</b>				<b>25-30</b>	<b>25-32</b>	<b>-</b>	<b>-</b>	<b>25-31</b>	<b>-</b>	<b>-</b>	<b>34-43</b>
	<i>Enterobacterales(Ur) (dogs-cats)</i>		<b>24</b>	<b>21-23</b>	<b>20</b>								
	<i>Staphylococcus SPP.(SST) (dogs)</i>		<b>24</b>	<b>21-23</b>	<b>20</b>								
	<i>Streptococcus SPP.(SST)(dogs)</i>		<b>24</b>	<b>21-23</b>	<b>20</b>								
<i>Pasteurella multocida(SST)(cats)</i>	<b>24</b>	<b>21-23</b>	<b>20</b>										

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CZ	<b>Cefazolin</b>	30				21-27	29-35	-	-	-	-	-	-
	<i>Enterobacteriales(SST) (dogs)</i>		23	20-22	19								
	<i>Enterobacteriales(Ur) (dogs humans)</i>		15	-	14								
	<i>Enterobacteriales(gen-resp) (horses)</i>		23	20-22	19								
	<i>Staphylococcus SPP(Ur-SST-resp)(dogs)</i>		-	-	-								
	<i>Streptococcus SPP.(Ur-SST-resp-gen) (dogs)</i>		-	-	-								
	<i>Streptococcus SPP.(resp-gen)(horses)</i>		-	-	-								
<i>Pasteurella multocida(SST-resp)(dogs)</i>	-	-	-										
CAZ	<b>Ceftazidime</b>	30				25-32	16-20	22-29	-	-	-	-	-
	<i>Enterobacteriales(SST) (dogs)</i>		21	18-20	17								
	<i>Pseudomonas aeruginosa(SST) (dogs)</i>		18	15-17	14								
CEF	<b>Ceftiofur</b>	30				26-31	27-31	14-18	-	32-34	29-39	36-46	34-42
	<i>Enterobacteriales(resp) (swine)</i>		21	18-20	17								
	<i>Streptococcus SPP.(resp)(horses)</i>		22	-	-								
	<i>Streptococcus SPP.(resp) (swine)</i>		21	18-20	17								
	<i>Mannheimia haemolytica(resp) (cattle)</i>		21	18-20	17								
	<i>Pasteurella multocida(resp)(cattle)</i>		21	18-20	17								
	<i>Pasteurella multocida(resp)(swine)</i>		21	18-20	17								
	<i>Actinobacillus SPP.(resp)(swine)</i>		21	18-20	17								
	<i>Histophilus somni (resp) (cattle)</i>		21	18-20	17								
	<i>Enterobacteriales(Mastitis) (Mammary gland) (Cattle)</i>		21	18-20	17								
	<i>Staphylococcus SPP. (Mastitis) (Mammary gland)(Cattle)</i>		21	18-20	17								
<i>Streptococcus SPP. (Mastitis) (Mammary gland) (Cattle)</i>	21	18-20	17										

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CFP	<b>Cefoperazone</b>	30				24-33	23-34	-	-	-	-	-	-
	<i>Enterobacteriales(Mastitis)(Mammary gland)(Cattle)</i>		23	18-22	17								
	<i>Staphylococcus SPP. (Mastitis)(Mammary gland)(Cattle)</i>		23	18-20	17								
	<i>Streptococcus SPP. (Mastitis)(Mammary gland)(Cattle)</i>		18	-	-								
CPD	<b>Cefpodoxime</b>	10				23-28	19-25	-	-	28-34	-	-	-
	<i>Enterobacteriales(Ur)(dogs)</i>		21	18-20	17								
	<i>Staphylococcus SPP.(Wds-absc)(dogs)</i>		21	18-20	17								
	<i>Streptococcus SPP.(Wds-absc)(dogs)</i>		21	18-20	17								
	<i>Pasteurella multocida(Wds-absc)(dogs)</i>	21	18-20	17									
CF	<b>Cephalothin</b>	30				15-21	29-37	-	-	26-32	-	-	-
	<i>Staphylococcus SPP.(SST)(dogs)</i>		-	-	-								
	<i>Streptococcus SPP.(SST)(dogs)</i>		-	-	-								
CN	<b>Cephalexin</b>	30				-	-	-	-	-	-	-	-
	<i>Enterobacteriales(Ur -SST)(dogs)</i>		-	-	-								
	<i>Staphylococcus SPP.(SST)(dogs)</i>		-	-	-								
	<i>Streptococcus SPP.(SST)(dogs)</i>		-	-	-								

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C	<b>Chloramphenicol</b>	30				21-27	29-26	-	-	23-27	-	-	-
	<i>Enterobacterales (dogs)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (dogs)</i>		-	-	-								
	<i>Enterococcus SPP.(dogs)</i>		-	-	-								
CC	<b>Clindamycin</b>	2				-	24-30	-	-	19-25	-	-	-
	<i>Staphylococcus SPP.non beta lactam (STT)(dogs)</i>		21	15-20	14								
	<i>Streptococcus SPP.(SST) (dogs)</i>		21	15-20	14								
D	<b>Doxycyclin</b>	30				18-24	23-29	-	-	25-34	-	-	-
	<i>Enterobacterales (dogs-horses)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (STT)(dogs)</i>		25	21-24	20								
	<i>Staphylococcus SPP.non beta lactam (horses)</i>		-	-	-								
	<i>Streptococcus SPP.(horses)</i>	-	-	-									
DF	<b>Difloxacin</b>	10				28-35	27-33	16-22	-	21-31	-	-	30-38
	<i>Enterobacterales(Ur-SST) (dogs)</i>		21	18-20	17								
	<i>Staphylococcus SPP.non beta lactam (UR-STT)(dogs)</i>		21	18-20	17								
	<i>Streptococcus SPP.(UR-SST) (dogs)</i>		21	18-20	17								
DAN	<b>Danofloxacin</b>	5				29-36	24-31	18-25	-	-	-	26-36	27-36
	<i>Mannheimia haemolytica(resp) (cattle)</i>		22	18-21	17								
	<i>Pasteurella multocida(resp)(cattle)</i>		22	18-21	17								

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ENR	<b>Enrofloxacin</b>	5												
	<i>Enterobacteriales(Ur-SST-resp) (dogs)</i>		-	-	-									
	<i>Enterobacteriales(SST) (cats)</i>		23	17-22	16									
	<i>Enterobacteriales(SST-resp) (horses)</i>		-	-	-									
	<i>Enterobacteriales (poultry)</i>		23	17-22	16									
	<i>Pseudomonas aeruginosa(Ur-SST-resp) (dogs)</i>		-	-	-									
	<i>Pseudomonas aeruginosa(SST) (cats)</i>		23	17-22	16									
	<i>Pseudomonas aeruginosa(resp-SST) (horses)</i>		-	-	-									
	<i>Staphylococcus SPP.non beta lactam (UR-SST-resp)(dogs)</i>		-	-	-									
	<i>Staphylococcus SPP.non beta lactam (SST)(cats)</i>		23	17-22	16	32-40	27-31	15-19	-	-	-	32-38	31-38	
	<i>Staphylococcus SPP.non beta lactam (resp-SST) (horses)</i>		-	-	-									
	<i>Streptococcus SPP.(Ur-SST-resp) (dogs)</i>		23	17-22	16									
	<i>Streptococcus SPP.(SST)(cat)</i>		23	17-22	16									
	<i>Streptococcus SPP.( resp-SST) (horses)</i>		-	-	-									
	<i>Streptococcus SPP.(resp) (swine)</i>		-	-	-									
	<i>Mannheimia haemolytica(resp) (cattle)</i>		21	17-20	16									
	<i>Pasteurella multocida(resp)(cattle)</i>		21	17-20	16									
	<i>Pasteurella multocida(resp)(swine)</i>		23	19-22	18									
<i>Actinobacillus SPP.(resp)(swine)</i>	23	19-22	18											
<i>Histophilus somni (resp) (cattle)</i>	21	17-20	16											

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FF	<b>Florfenicol</b>	30				22-28	22-29	-	-	24-31	-	34-44	31-40
	<i>Enterobacterales(resp) (Swine)</i>		-	-	-								
	<i>Streptococcus SPP.(resp) (swine)</i>		22	19-21	18								
	<i>Bordetella bronchiseptica (resp) (swine)</i>		22	19-21	18								
	<i>Mannheimia haemolytica(resp) (cattle)</i>		19	15-18	14								
	<i>Pasteurella multocida(resp)(cattle)</i>		19	15-18	14								
	<i>Pasteurella multocida(resp)(swine)</i>		22	19-21	18								
	<i>Actinobacillus SPP.(resp)(swine)</i>		22	19-21	18								
	<i>Histophilus somni (resp) (cattle)</i>		19	15-18	14								
GAM	<b>Gamithromycin</b>	15				-	19-26	-	-	20-26	18-26	18-29	14-19
	<i>Mannheimia haemolytica(resp) (cattle)</i>		15	12-14	11								
	<i>Pasteurella multocida(resp)(cattle)</i>		15	12-14	11								
	<i>Histophilus somni (resp) (cattle)</i>		15	12-14	11								
GM	<b>Gentamycin</b>	10				19-26	19-27	17-23	-	-	-	14-22	15-19
	<i>Enterobacterales (dogs-adults horses)</i>		16	13-15	12								
	<i>Pseudomonas aeruginosa (dogs)</i>		16	13-15	12								
	<i>Pseudomonas aeruginosa(adults horses)</i>		16	13-15	12								
	<i>Actinobacillus SPP.(horses)</i>		16	13-15	12								



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K/C	<b>Kanamycin-cephalexin</b>	30/15											
	<i>Enterobacteriales(Mastitis) (Mammary gland) (Cattle)</i>		20	18-19	17								
	<i>Staphylococcus SPP.(S. aureus)(Mastitis) (Mammary gland)(Cattle)</i>		21	19-20	18	19-25	19-25	-	-	13-20	-	-	-
	<i>Staphylococcus SPP.(CoNS) (Mastitis) (Mammary gland) (Cattle)</i>		20	18-19	17								
	<i>Streptococcus SPP. (Mastitis) (Mammary gland) (Cattle)</i>		22	-	-								
LEV	<b>Levofloxacin</b>	5											
	<i>Enterobacteriales(SST) (dogs)</i>		21	17-20	16								
	<i>Pseudomonas aeruginosa(SST) (dogs)</i>		22	15-21	14	29-37	25-30	19-26	-	-	-	-	-
	<i>Staphylococcus SPP. (Mastitis) (Mammary gland)</i>		13	-	12								
MAR	<b>Marbofloxacin</b>	5											
	<i>Enterobacteriales(Ur-SST) (dogs)</i>		-	-	-								
	<i>Enterobacteriales(SST) (cats)</i>		20	15-19	14								
	<i>Pseudomonas aeruginosa(Ur-SST) (dogs)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (Ur-SST)(dogs)</i>		-	-	-	29-37	24-30	20-25	-	-	-	30-41	30-40
	<i>Staphylococcus SPP.non beta lactam (SST)(cats)</i>		20	15-19	14								
	<i>Streptococcus SPP.(Ur-SST) (dogs)</i>		20	15-19	14								
	<i>Streptococcus SPP.(SST)(cat)</i>		20	15-19	14								

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MIN	<b>Minocycline</b>	30				19-25	25-30	-	-	-	-	-	-
	<i>Enterobacteriales(SST-resp) (horses)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (SST)(dogs)</i>		-	-	-								
	<i>Staphylococcus SPP.non beta lactam (resp-SST) (horses)</i>		-	-	-								
	<i>Streptococcus SPP.(resp -SST) (horses)</i>		-	-	-								
ORB	<b>Orbifloxacin</b>	10				29-37	24-30	16-22	-	-	-	-	15-21
	<i>Enterobacteriales(Ur-SST) (dogs)</i>		23	18-22	17								
	<i>Enterobacteriales(SST) (cats)</i>		23	18-22	17								
	<i>Staphylococcus SPP.non beta lactam (Ur-SST)(dogs)</i>		23	18-22	17								
	<i>Staphylococcus SPP.non beta lactam (SST)(cats)</i>		23	18-22	17								
	<i>Streptococcus SPP.(Ur-SST) (dogs)</i>		23	18-22	17								
	<i>Streptococcus SPP.( SST)(cat)</i>		23	18-22	17								
P	<b>Penicillin</b>	10 Unit				-	26-37	-	-	24-30	-	35-44	29-36
	<i>Staphylococcus SPP.(resp-soft tissue) (horses)</i>		-	-	-								
	<i>Streptococcus SPP.(soft tissue-resp) (horses)</i>		-	-	-								
	<i>Streptococcus SPP.(resp) (swine)</i>		-	-	-								
	<i>Mannheimia haemolytica(resp) (cattle)</i>		-	-	-								
	<i>Pasteurella multocida(resp)(cattle)</i>		-	-	-								
	<i>Pasteurella multocida(resp)(swine)</i>		-	-	-								
	<i>Histophilus somni (resp)(cattle)</i>		-	-	-								

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P/N	<b>Penicillin-novobiocin</b>	10 units/30											
	<i>Staphylococcus SPP. (Mastitis) (Mammary gland)(Cattle)</i>		18	15-17	14	-	30-36	-	-	24-30	-	-	-
	<i>Streptococcus SPP. (Mastitis) (Mammary gland) (Cattle)</i>		18	15-17	14								
PTZ	<b>Piperacillin-tazobactam</b>	100/10											
	<i>Enterobacterales(Ur-SST) (dogs)</i>		25	21-24	20								
	<i>Pseudomonas aeruginosa(Ur-SST) (dogs)</i>		-	-	-	24-30	27-36	25-33	-	-	-	-	-
	<i>Staphylococcus SPP.(Ur-SST)(dogs)</i>		-	-	-								
PRL	<b>Pirlimycin</b>	2											
	<i>Streptococcus SPP. (Mastitis) (Mammary gland) (Cattle)</i>		13	-	12	-	19-25	-	-	-	-	-	-
	<i>Staphylococcus SPP. (Mastitis) (Mammary gland)(Cattle)</i>		13	-	12								
PRA	<b>Pradofloxacin</b>	5											
	<i>Enterobacterales(Ur-skin) (dogs)</i>		24	20-23	19								
	<i>Enterobacterales(resp-skin) (cats)</i>		24	20-23	19								
	<i>Staphylococcus SPP.non beta lactam (Ur-skin)(dogs)</i>		24	20-23	19								
	<i>Staphylococcus SPP.non beta lactam (skin-resp)(cats)</i>		24	20-23	19								
	<i>Streptococcus SPP.( skin-resp)(cat)</i>		24	-	-	31-39	29-38	21-28	-	-	-	-	32-41
	<i>Pasteurella multocida(skin-resp)(cat)</i>		24	-	-								
	<i>Pasteurella multocida(resp)(cattle)</i>		29	25-28	24								
	<i>Pasteurella multocida(resp)(swine)</i>		29	25-28	24								
	<i>Actinobacillus SPP.(resp)(swine)</i>		28	-	-								
<i>Histophilus somni (resp) (cattle)</i>	39	34-38	33										

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SC	<b>Spectinomycin</b>	100				21-25	13-17	10-14	-	-	-	-	-
	<i>Mannheimia haemolytica</i> (resp)(cattle)		14	11-13	10								
	<i>Pasteurella multocida</i> (resp)(cattle)		14	11-13	10								
	<i>Histophilus somni</i> (resp) (cattle)		14	11-13	10								
TE	<b>Tetracyclin</b>	30				18-25	24-30	-	-	27-31	-	27-33	23-30
	<i>Staphylococcus SPP.non beta lactam</i> (STT)(dogs)		23	18-22	17								
	<i>Streptococcus SPP.</i> (resp) (swine)		-	-	-								
	<i>Mannheimia haemolytica</i> (resp)(cattle)		-	-	-								
	<i>Pasteurella multocida</i> (resp)(cattle)		-	-	-								
	<i>Pasteurella multocida</i> (resp)(swine)		-	-	-								
	<i>Actinobacillus SPP.</i> (resp)(swine)		-	-	-								
	<i>Histophilus somni</i> (resp) (cattle)		-	-	-								
TM	<b>Tiamulin</b>	30				-	25-32	-	-	-	-	-	12-19
	<i>Actinobacillus SPP.</i> (resp)(swine)		9	-	8								
TUL	<b>Tulathromycin</b>	30				-	18-24	-	-	16-23	17-25	16-26	8-18
	<i>Bordetella bronchiseptica</i> (resp)(swine)		18	15-17	14								
	<i>Mannheimia haemolytica</i> (resp)(cattle)		18	15-17	14								
	<i>Pasteurella multocida</i> (resp)(cattle)		18-	15-17	14								
	<i>Pasteurella multocida</i> (resp)(swine)		18	15-17	14								
	<i>Actinobacillus SPP.</i> (resp)(swine)		10	-	-								
<i>Histophilus somni</i> (resp) (cattle)	18	15-17	14										

SYMBOL	Antimicrobial Agent	Disk Content (µg)	S	I	R	Escherichia Coli ATCC 25922	Staphylococcus aureus ATCC 25923	Pseudomonas Aeruginosa ATCC 27853	Escherichia Coli ATCC 35218	Streptococcus Pneumoniae ATCC 49619	Mannheimi Haemolytica ATCC33396	Histophilus Somni ATCC700025	Actinobacillus Pleuropneumoniae ATCC27090	
TIP	<b>Tildipirosin</b>	60												
	<i>Bordetella bronchiseptica</i> (resp) (swine)		18	-	-									
	<i>Mannheimia haemolytica</i> (resp) (cattle)		20	17-19	16									
	<i>Pasteurella multocida</i> (resp)(cattle)		21	18-20	17									
	<i>Pasteurella multocida</i> (resp)(swine)		19	-	-	-	20-26	-	-	-	-	-	15-24	15-23
	<i>Actinobacillus SPP.</i> (resp)(swine)		-	-	-	-								
	<i>Histophilus somni</i> (resp) (cattle)		17	14-16	13									
TMS	<b>Tilmicosin</b>	15												
	<i>Mannheimia haemolytica</i> (resp) (cattle)		14	11-13	10									
	<i>Pasteurella multocida</i> (resp)(swine)		11	-	10									
	<i>Actinobacillus SPP.</i> (resp)(swine)		11	-	10									

آدرس کارخانه : تهران، شهر قدس، میدان ساعت، بلوار شهید اصغری، بلوار کیمیا پژوهان، کوچه پارس، پلاک 8

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