



Biofilm Microorganisms

Efficacy Testing of Therapeutic Agents

Strain	In Vitro		In Vivo	Reference
Klebsiella pneumoniae Xen 39	Catheter assay	Chronic	Pre-colonized SQ Catheter model	ASM 2003 Abstract #4690
Pseudomonas aeruginosa Xen 5	Microtiter plate assay	Acute	Pneumoniae	ASM 2002 Abstract #59/D-81
	Robins Device		Endocarditis	In development
	Catheter assay	Chronic	Pre-colonized SQ Catheter model In vivo colonized SQ Catheter model	*See Publications, Pg. 2
Pseudomonas aeruginosa Xen 41	Catheter assay	Chronic	Pre-colonized SQ Catheter model	Xenogen Data
Staphylococcus aureus Xen 8.1	Catheter assay	Chronic	Pre-colonized SQ Catheter model	Xenogen Data *See Publications, Pg. 2
			In vivo colonized SQ Catheter model	Xenogen Data
S. aureus Xen 29 Capsular type 3	Microtiter plate assay	Acute	Endocarditis	Xenogen Data
	Robins Device			
	Catheter assay	Chronic	Pre-colonized SQ Catheter model In vivo colonized SQ Catheter model	*See Publications, Pg. 2
S. aureus Xen 30 MRSA	Microtiter plate assay	Chronic	Pre-colonized SQ Catheter model	Xenogen Data
	Catheter assay	Chronic		
S. aureus Xen 31 MRSA	Microtiter plate assay	Chronic	Pre-colonized SQ Catheter model	Xenogen Data
	Catheter assay	Chronic		
S. aureus Xen 36 Capsular type 8	Microtiter plate assay	Acute	Endocarditis	In Development
	Catheter assay	Chronic	Pre-colonized SQ Catheter model	ASM 2003, Abstract #270/D-169
			In vivo colonized SQ Catheter model	ASM 2003, Abstract #270/D-169
S. aureus Xen 37 Capsular type 8	Catheter assay	Chronic	Pre-colonized SQ Catheter model	ASM 2003, Abstract #270/D-169
			In vivo colonized SQ Catheter model	ASM 2003, Abstract #270/D-169
S. aureus Xen 40	Catheter assay	Chronic	Pre-colonized SQ Catheter model	Xenogen Data

Efficacy Testing of Therapeutic Agents in Chronic Biofilm Models

Strain	In Vitro	In Vivo	Agent	Reference
P. aeruginosa Xen 5	Catheter assay	Pre-colonized SQ Catheter model	Tobramycin, Ciprofloxacin, Rifampin	Xenogen Data
		In vivo colonized SQ Catheter model		
S. aureus Xen 29	Catheter assay	Pre-colonized SQ Catheter model	Tobramycin, Ciprofloxacin, Rifampin	42nd ICAAC, Abstract B-270 *See Publications, below
		In vivo colonized SQ Catheter model	Tobramycin, Ciprofloxacin, Rifampin	Xenogen Data

*Publication References

Pseudomonas aeruginosa Xen 5	Infection & Immunity, Feb. 2003, Vol. 71, No. 2, pp. 882-890 Infection & Immunity, July 2005, pp. 3878-3887 Journal of Immunology, 2004, 172: 1801-1808
Staphylococcus aureus Xen 29	Infection & Immunity, Feb. 2003, Vol. 71, No. 2, pp. 882-890; Antimicrobial Agents & Chemotherapy, Oct. 2003, Vol. 47, No. 10, pp. 3130-3137; Antimicrobial Agents & Chemotherapy, June 2004 pp 2283-2287 Antimicrobial Agents & Chemotherapy, June 2004, Vol. 48, No. 6, pp. 2283-2287; Journal of Antimicrobial Chemotherapy, Apr. 2005, Vol. 55, No. 4, pp. 528-534. Antimicrobial Agents & Chemotherapy, May 2007, 51(5) pp. 1787-1794
Staphylococcus aureus Xen 8.1	PhotoChem PhotoBio Sci, 2004, 3, pp. 451-458 Infection & Immunity, 2005, pp 4512-4521 Antimicrobial Agents & Chemotherapy, Sept. 2003, Vol. 47, No. 9, pp. 2740-2748
Staphylococcus aureus Xen 31	Infection & Immunity, March 2005, pp 1847-1851

Abstract Publications:

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