

UAB-MOPA Pneumococcal Target Strains

Academic investigators can obtain the MOPA target strains for non-commercial uses from BEI Resources (www.beiresources.org). For commercial uses, please contact Dr. Diptiman Chanda at the University of Alabama at Birmingham (dchanda@uab.edu). Please note that registration with BEI Resources is required to obtain the strains.

BEI Catalog #	Strain Name	Description	Reference
NR-13388	SPEC1	Spectinomycin resistant variant of L82006 (serotype 1)	1
NR-31700	STREP2	Streptomycin resistant variant of DBL2 (serotype 2)	2
NR-13389	OREP3	Optochin resistant variant of Wu2 (serotype 3)	1
NR-13390	OREP4	Optochin resistant variant of DS2382-94 (serotype 4)	1
NR-13391	STREP5	Streptomycin resistant variant of DBL5 (serotype 5)	1
NR-13392	TREP6A	Trimethoprim resistant variant of EF6796 (serotype 6A)	1
NR-13393	SPEC6B	Spectinomycin resistant variant of BG25-9 (serotype 6B)	1
NR-20805	SPEC6C	Spectinomycin resistant variant of BGO-2197 (serotype 6C)	2
NR-20806	SPEC6D	Spectinomycin resistant variant of MNZ920 (serotype 6D)	2
NR-13394	OREP7F	Optochin resistant variant of DS2617-97 (serotype 7F)	1
NR-31701	STREP8	Streptomycin resistant variant of DS5675-06 (serotype 8)	2
NR-31702	SPEC9N	Spectinomycin resistant variant of DS1398-00 (serotype 9N)	2
NR-13395	EMC9V	Streptomycin resistant variant of 1081748 (serotype 9V)	1
NR-31703	OREP10A	Optochin resistant variant of DS3032-06 (serotype 10A)	2
NR-31705	TREP11A	Trimethoprim resistant variant of DS3160-06 (serotype 11A)	2
NR-31704	TREP12F	Trimethoprim resistant variant of DS4031-06 (serotype 12F)	2
NR-13396	STREP14	Streptomycin resistant variant of DS2214-94 (serotype 14)	1
NR-33666	TREP15B	Trimethoprim resistant variant of DS0556-97 (serotype 15B)	2
NR-31706	OREP17F	Optochin resistant variant of DS3022-06 (serotype 17F)	2
NR-13397	OREP18C	Optochin resistant variant of GP116 (serotype 18C)	1
NR-13398	TREP19A	Trimethoprim resistant variant of DS3519-97 (serotype 19A)	1
NR-13399	SPEC19F	Spectinomycin resistant variant of 2217-94 (serotype 19F)	1
NR-33664	SPEC20B	Spectinomycin resistant variant of DS3014-06 (serotype 20B)	2
NR-31707	TREP22F	Trimethoprim resistant variant of DS3433-06 (serotype 22F)	2

NR-13400	EMC23F	Clinical isolate (1212458), naturally resistant to trimethoprim (serotype 23F)	1
NR-33665	STREP33F	Streptomycin resistant variant of DS3052-06 (serotype 33F)	2

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References

1. Burton RL, Nahm MH. Development and validation of a fourfold multiplexed opsonization assay (MOPA4) for pneumococcal antibodies. *Clin Vaccine Immunol* 2006;13:1004-9.
2. Burton RL, Nahm MH. Development of a fourfold multiplexed opsonophagocytosis assay for pneumococcal antibodies against additional serotypes and discovery of serological subtypes in *Streptococcus pneumoniae* serotype 20. *Clin Vaccine Immunol* 2012;19:835-41.