

レプトスピラの SM 耐性メカニズム

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Mechanism of streptomycin resistance in *leptospira biflexa* strain Urawa.

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ABSTRACT The mechanism of streptomycin resistance of *Leptospira biflexa* was investigated. A streptomycin-resistant mutant of *Leptospira* showed cross-resistance to dihydrostreptomycin but not to other antibiotics. Enzymatic inactivation of the drug could not be demonstrated in this mutant. Protein synthesis on the ribosomes from the mutant was insensitive to streptomycin. These results suggest that ribosomal resistance is the reason for streptomycin resistance in *Leptospira biflexa*.

抄録 *Leptospira biflexa* の高度ストレプトマイシン耐性菌を分離し、そのメカニズムを検討した。その結果、本菌における耐性はリボゾームの構造変化によって起っている事が明らかになった。