



## PAO1铜绿假单胞菌

Cat.NO. ZK8044

目录编号

■ ZK8044

产品名称

PAO1铜绿假单胞菌

包装单位

0.3ml

传代次数: 为保证菌株特性的稳定, 传代不可超过3代以上。

储存: -80°C 一年有效。

### 产品介绍:

*Pseudomonas aeruginosa* PAO1 is the most commonly used strain for research on this ubiquitous and metabolically versatile opportunistic pathogen. Strain PAO1, a derivative of the original Australian PAO isolate, has been distributed worldwide to laboratories and strain collections.

The common reference strain is *P. aeruginosa* PAO1, a spontaneous chloramphenicol-resistant mutant of the original PAO strain (earlier called “*P. aeruginosa* strain 1”) that had been isolated in 1954 from a wound in Melbourne, Australia (9, 10). This PAO1 strain from Bruce Holloway's laboratory has become the reference strain for *Pseudomonas* genetics and functional analyses of the physiology and metabolism of this gammaproteobacterium. A genetic map of its chromosome was generated by exploiting the mechanisms of gene exchange in bacteria, i.e., transduction and conjugation (11). With the advent of pulsed-field gel electrophoresis (PFGE), a physical map of the PAO1 genome was constructed (32) and later merged with the genetic map information (12). By 2000 the PAO1 strain had been completely sequenced (36). Thereafter, the genome annotation has been continually updated and the database content and functionality have been expanded to facilitate accelerated discovery of *P. aeruginosa* drug targets and vaccine candidates (38). Two near-saturation libraries of transposon insertion mutants have been constructed in *P. aeruginosa* PAO1 as a global resource for the scientific community (14, 22).

### 基本信息:

培养基: LB, 37°C

菌株类别: 铜绿假单胞菌

### 使用方法:

建议超净台内划线涂板, 得到单克隆后再进行其他实验操作, 避免杂菌污染。

### 注意事项:

1. 本产品仅可用于实验室研究, 不能用于动物, 人体以及作为食品添加剂等用途。
2. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。
3. 使用甘油菌时可不完全融解, 在甘油菌表面蘸取少量涂布固体琼脂平板即可, 也可完全融解后使用, 但随着冻融次数的增加, 菌株的活力会逐渐下降。