

Caution: For Research Use. This product is intended for animal research only and not for use in humans. Not for human or animal therapeutic or diagnostic use.

Pseudomonas aeruginosa
Ps. aeruginosa PAO1 (Xen41)

Product No.: 119229

Material Provided: 1 Agar Plate

Storage Conditions: -80°C

In vitro Characteristics

Genetic Characteristics

Pseudomonas aeruginosa-Xen41 was derived from the parental strain *Ps. aeruginosa* PAO1, obtained from Pseudomonas Genetic Stock Center (PGSC). *P. aeruginosa* Xen41 possesses a single stable copy of the *P. luminescens luxCDABE* operon on the bacterial chromosome.

Growth Characteristics

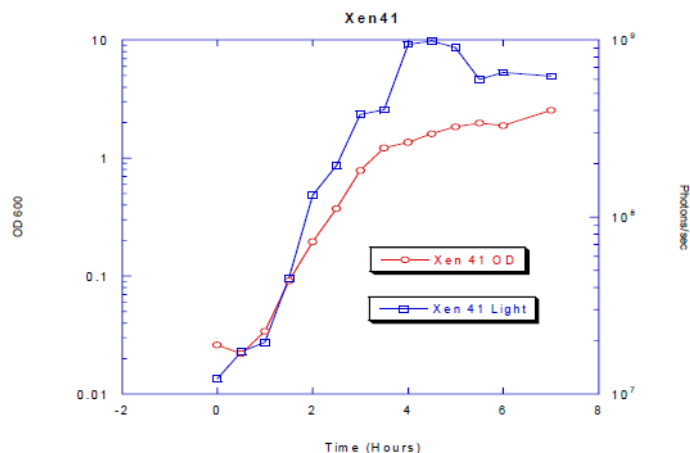
P. aeruginosa-Xen41 grows well in Luria Bertani (LB) medium at 37°C under ambient aeration. *P. aeruginosa*-Xen41 may also be grown selectively on LB agar containing 60 µg/mL Tetracycline.

Colonial Morphology

On LB plates, *P. aeruginosa*-Xen41 appears as large (3-5mm), yellow-green, irregularly round, mucoid colonies with butyrous centers after 24 hours incubation at 37°C.

Growth Curve

Log-phase growth can be achieved after 1.5 to 3 hours of subculture in BHI broth at 37°C, shaking at 200 rpm. For the above broth culture conditions, an absorbance measurement at 600nm (against a LB blank) of 1 is roughly equivalent to 3x10⁸ cfu/mL of *S. aureus*-Xen40 and the relative light intensity is 0.013 photons/sec/cell.



Product Information

Warranty

PerkinElmer warrants that cells will be viable upon shipment from PerkinElmer for a period of thirty days, provided they have been properly stored and handled during this period.

Disclaimers

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