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**Toluene 내성 *Pseudomonas putida* BCNU171의 내성
및 자화능 mutation**

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**Tolerance and assimilation mutation of a toluene tolerant
Pseudomonas putida BCNU171**

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Pseudomonas putida BCNU 171 is a solvent tolerant strain able to grow with toluene as the sole carbon source. To determine toluene tolerance and toluene pathway in *Pseudomonas putida* BCNU 171, Ω Km mutagenesis was carried out. Mutants unable to use toluene as the sole carbon source was selected. And mutants lost the resistance of toluene were isolated. These are toluene sensitive mutants, those are toluene pathway mutants. Chromosomal DNA was isolated from nine Ω Km mutants, digested with *Eco* R1. The autoradiograph showed that eight of nine had single band. The size of this band varied but, as expected, was always larger than Ω Km(3.8kb). DNA sequencing of these plasmids show the site where Ω Km was inverted.