

**CGSC Strain#:** 12122

**Strain Designation:** RP437     **Source of Strain:** J.S. Parkinson

**Sex:** F- **Chromosomal Markers:** *thr-1*, *araC14*, *leuB6*(Am), *fhuA31*, *lacY1*, *tsx-78*,  $\lambda^-$ , *eda-50*, *hisG4*(Oc), *rfbC1*, *rpsL136*(strR), *xylA5*, *mtl-1*, *metF159*(Am), *thiE1*

**Strain Comments:**

- Advice from J.S.Parkinson: After reviving this strain from the filter, test on soft agar plates and pick a colony that is motile and chemotactic for your experiments, because nonmotile variants arise in room temperature stab cultures.
- This is the parent strain of many *che* and *mot* mutants. For questions about use or characteristics of this strain, contact parkinson@biology.utah.edu.
- *leuB6*(Am)-- Suppressed by serU suppressor (supH)
- *rfbC1* was formerly called *rfbD1*
- *thiE1* was formerly called *thi-1*
- Am = amber(UAG) mutation
- Oc = ochre(UAA) mutation
- strR = streptomycin resist.

**References:**

- Parkinson, JS 1978. Complementation analysis and deletion mapping of Escherichia coli mutants defective in chemotaxis. J. Bacteriol. 135(1):45-53.

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