

Resource Summary Report

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OP50 E. coli, rnc14::(delta)Tn10, lacz(gamma)A::T7pol camFRT

RRID:WB-STRAIN:WBStrain00047292

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00047292

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00047292>

Proper Citation: RRID:WB-STRAIN:WBStrain00047292

Description: Escherichia coli with name OP50 E. coli, rnc14::(delta)Tn10, lacz(gamma)A::T7pol camFRT from WB.

Species: Escherichia coli

Synonyms: OP50 E. coli, rnc14::(delta)Tn10, lacz(gamma)A::T7pol camFRT

Notes: Made _by: Jessica Sowa, Isaiah Neve|"Phage transduction (2x)"|"RNAi-capable OP50 strain. Tetracycline & Chloramphenicol resistant. Uracil auxotroph. E. coli B. Biosafety Level: BSL-1. Standard OP50 (CGC) was rendered RNAi competent through two modifications by phage transduction. The OP50 RNase III (rnc) allele was replaced with the deletion allele (rnc14::Tn10) found in HT115(DE3), and a genomically encoded IPTG-inducible T7 RNA polymerase (lacZA::T7pol camFRT) was introduced. Reference: Neve IAA, et al. G3 (Bethesda). 2019 Nov 11. pii: g3.400741.2019."

Catalog Number: WB-STRAIN:WBStrain00047292

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: OP50 E. coli, rnc14::(delta)Tn10, lacz(gamma)A::T7pol camFRT

Record Creation Time: 20230227T013816+0000

Record Last Update: 20260829T162627+0000

Ratings and Alerts

No rating or validation information has been found for OP50 E. coli, rnc14::(Δ)Tn10, lacz(γ)A::T7pol camFRT.

No alerts have been found for OP50 E. coli, rnc14::(Δ)Tn10, lacz(γ)A::T7pol camFRT.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Garcia-Sanchez JA, et al. (2025) Evolutionary conserved regulation of TFEB stability by the E3 ubiquitin ligase WWP2 modulates response to stress in vivo. iScience, 28(2), 111838.