

# MUT-47 arg1 mt-

Cat. No. ALS-01251

Lot. No. (See product label)

---

## Subcategory

Mutants

## Description

The arg1 mutant was UV-induced by Ebersold, and has been shown to be deficient in acetylglutamyl phosphate reductase. It can grow on arginine, ornithine or citrulline. The original arg1 strain tended to bleach when deprived of arginine. A test cross of this strain to wild type MUT-125 in 1979 showed 2:2 segregation for light-green, slow-growing colonies. This mutant becomes suppressed easily. A suppressor that was EMS-induced was reported to map to linkage group I. The arg1 mutant could also be suppressed by the ac141 suppressor. MUT-861 arg1 mt+ is cleaner than this strain and easier to score.

## Species

Chlamydomonas

## Locus

ARG1

## Chromosome

1

## Phenotype

Requires arginine

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**