

**Product:** Lysine Decarboxylase agar

**Catalog Number:** i23628

**Lot Number:**

**Date of Release:**

**Expiration Date:**

**Dehydrated Appearance:** Light yellow to greenish yellow, free-flowing, homogeneous.

**Solution:** 2.9% solution, soluble in purified water upon boiling. Solution is Purple, opalescent with fine precipitate.

**Prepared Appearance:** Purple colored, Clear gel in tubes as slants.

**pH of 2.9% solution at 25 °C:**  $6.5 \pm 0.2$

**Cultural Response:** Cultural characteristics observed after an incubation at 35 – 37 °C for up to 4 days and overlying with sterile mineral oil.

Organism	ATCC	Inoculum CFU	Lysine Decarboxylation
<i>Citrobacter freundii</i>	8090	50 – 100	Negative Reaction – Yellow color
<i>Enterobacter aerogenes</i>	13048	50 – 100	Positive reaction – Purple color
<i>Escherichia coli</i>	25922	50 – 100	Positive reaction – Purple color
<i>Salmonella enterica</i>	14028	50 – 100	Positive reaction – Purple color
<i>Shigella flexneri</i>	12022	50 – 100	Negative Reaction – Yellow color
<i>Pseudomonas aeruginosa</i>	27853	50 - 100	Negative Reaction – Yellow color

\*ATCC is a registered trade mark of the American Type Culture Collection.

QC Department