

**BDD029**

**ARGININE HYDROCHLORIDE DISCS**

**SPECIFICATIONS:**

**APPEARANCE:** Sterile filter paper discs of 6 mm diameter

**Directions:**

1. To determine Arginine hydrolysis, the Arginine disc (BDD029) is added in the Moeller Decarboxylase Broth Base (B161) which is used as a negative control for studying hydrolysis or as a base for the addition of amino acids.
2. The test organism is inoculated into the broth containing the Arginine disc (BDD029).
3. The inoculated tubes are overlaid with sterile mineral oil and incubated at 35-37°C for up to 4 days.
4. A purple colour indicates the Arginine hydrolysis.

**Cultural response:**

Cultural characteristics observed in Moeller Decarboxylase Broth Base (B161) with added Arginine Hydrochloride discs (BDD029) after an incubation at 35-37°C up to 4 days (Inoculated tubes are overlaid with sterile mineral oil).

<b>Organism (ATCC)</b>	<b>Arginine decarboxylation</b>
Citrobacterfreundii (8090)	Variable reaction
Enterobacter aerogenes (13048)	Negative reaction, yellow colour
Escherichia coli (25922)	Variable reaction
Klebsiella pneumoniae (13883)	Negative reaction, yellow colour
Proteus mirabilis (25933)	Negative reaction, yellow colour
Proteus vulgaris (13315)	Negative reaction, yellow colour
Pseudomonas aeruginosa (9027)	positive reaction, purple colour
Salmonella Paratyphi A (9150)	Delayed positive reaction/ positive reaction, purple colour
Salmonella Typhi (6539)	Delayed positive reaction/ positive reaction, purple colour
Serratia marcescens (8100)	Negative reaction, yellow colour
Shigelladysenteriae (13313)	Delayed positive reaction/ positive reaction, purple colour
Shigella flexneri (12022)	Delayed positive reaction/ positive reaction, purple colour
Shigella sonnei (25931)	Variable reaction

**Precautions :** For Laboratory Use.

**USE:** Arginine hydrochloride discs are used for Arginine hydrolysis test.

**Storage:** 2-8°C

**Packing:** 25 discs per vial

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**TECHNICAL SHEET**

Refer disclaimer Overleaf

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