



## TDA Reagent

R036

TDA Reagent is used to determine the tryptophan-deaminase activity.

### Composition\*\*

#### Ingredients

Ferric chloride	10.000 gm
Distilled water	100.000 ml

\*\*Formula adjusted, standardized to suit performance parameters

### Directions

Add 1-2 drops of TDA Reagent (R036) directly on suspected colony from HiCrome UTI Agar (M1353) or HiCrome UTI Agar, Modified (M1418). Observe for appearance of dark brown colouration around the colony within 10 – 30 seconds for confirming positive reaction.

### Principle And Interpretation

Tryptophan deamination is of reductive type where the 'NH<sub>2</sub>' group of tryptophan is removed and released as ammonia and energy, which is utilized by bacteria. The presence of tryptophan deamination activity can be detected by addition of TDA reagent indicated by dark brown colouration.

### Quality Control

#### Appearance

Yellow coloured solution.

#### Clarity

Clear solution without any particles.

#### Cultural Response

R036: Biochemical identification was carried out by transferring suspected colony from HiCrome UTI Agar, Modified (M1418) plate on filter paper and adding 1-2 drops of TDA Reagent (R036).

Organism	Growth	TDA
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Negative(no colour change around colony)
<i>Proteus mirabilis</i> ATCC 25933	Luxuriant	Positive (dark brown colouration around colony)

### Storage and Shelf Life

Store at 10-30°C in tightly closed container. Use before expiry period on the label.

Revision : 1 / 2011



#### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.