



## Ehrlich's Aldehyde Reagent

### Intended use

Ehrlich's aldehyde reagent is used as an analytical reagent for detection of Urobilinogen in urine.

### Composition\*\*

#### Ingredients

Hydrochloric acid, concentrated	100.0ml
p-dimethylamino benzaldehyde	4.0gm
Distilled water	100.0ml

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

### Directions

To 10 ml of urine, add 1.0 ml Ehrlich's benzaldehyde reagent, mix and let it stand for about 10 minutes. Observe colour by looking down into the tube held over a white surface.

### Principle And Interpretation

Ehrlich's aldehyde reagent is used to detect urobilinogen in urine. Urobilinogen is one of the bile pigments found in urine in case of liver defects, (epidemic icterus, cirrhosis) or as a result of excessive formation of bilirubin (haemolytic jaundice). Urobilinogen is normally present in urine at concentrations up to 1.0 mg/dL. The colourless urobilinogen reacts with Ehrlich's aldehyde reagent in an acidic medium to form pink-red condensing products. False positive results can be caused by medications. High nitrite concentrations can cause false negative reactions. Pigmented urine can interfere with detection of urobilinogen.

### Type of specimen

Clinical samples: Urine

### Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (2,3).

After use, contaminated materials must be sterilized by autoclaving before discarding.

### Warning and Precautions :

In Vitro diagnostic Use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets

### Performance and Evaluation

Performance of the product is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

### Quality Control

#### Appearance

Light yellow coloured solution with characteristic odour.

#### Clarity

Clear solution with no insoluble particles.

#### Test

Reaction is observed by addition of 1ml of reagent to 10 ml of urine

#### Results

Cherry red colour : Increased amount of urobilinogen

Absence of colour : Decreased or normal amount of urobilinogen

## Storage and Shelf Life

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.



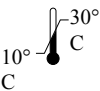



## Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (2,3).

## Reference

1. Godkar P.B.,1994, Text book of Medical Laboratory Technology, Bhalani Publishing House, Mumbai India.
2. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2<sup>nd</sup> Edition.
3. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
4. Bauer J.D., Ackermann P.G. and Toro G. (Eds.), 1974, Clinical Laboratory Methods, 8th ed., The C.V. Mosby Co., St. Louis

Revision : 01 / 2019

	In vitro diagnostic medical device
	CE Marking
	Storage temperature
	Do not use if package is damaged
	HiMedia Laboratories Pvt. Limited, B /4-6 , MIDC, Dindori, Nashik MH <a href="http://www.himedialabs.com">www.himedialabs.com</a>
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### Disclaimer :

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