

Indican Assay Kit

Product Information

Cat.No.

Kit-0476

Product Overview

Indican Assay Kit is used for quantitative determination of indican (indoxyl sulfate) in using colormetric methods.

Description

Indican (indoxyl sulfate) is a putrefaction product resulting from bacterial deconjugation of dietary tryptophan to indole in the small intestine. A large body of evidence supports the use of urinary indican testing as a beneficial point-of-care screening tool for dysbiosis, small intestinal bacterial overgrowth (SIBO), constipation, malabsorption, intestinal mucosal permeability etc. Common microorganisms that contribute to positive indican tests include *Salmonella*, *Shigella*, *Campylobacter jejuni*, *Yersinia enterocolitica*, *Citrobacter freundii*, *Citrobacter diversus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, certain strains of *Escherichia coli*, *Staphylococcus aureus*, some strains of *Bacteroides*, *Clostridium difficile*, *Candida albicans*, other candida species etc.

Applications

Quantitative direct determination of indican in urine samples.

Usage

For research use only (RUO)

Storage

Store Reagent A at room temperature and other components at -20°C. Shelf life of 12 months after receipt.

Kit Components

Reagent A 200 mL Reagent B 15 mL Standard (30 mg/dL) 15 mL* For 96-well plate: 1000 assays* For cuvette: 200 assays

Detection method

 Colorimetric

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Compatible Sample Types

Urine samples

Features & Benefits

Fast and sensitive. Linear detection range: 0.2 - 20 mg/dL (8-800 μ moles/L).Fast and high-throughput. Homogeneous "mix-incubate-measure" type assay. Assay takes only 10 min.Can be readily automated for processing thousands of samples per day.

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