

Indican Assay Kit

Cat. No. Kit-0476 **Lot. No.** (See product label)

SPECIFICATION

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 bacteriodes, 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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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