



# Urine Culture Specimen Collection Guide

## **BD Vacutainer® C&S Preservative Urine Tubes Intended Use**

Per the manufacturer, “Bacteria quantification in urine is widely used as an aid in evaluating a patient for urinary tract infections. Colony forming units of 100,000 microorganisms or greater per milliliter of urine are generally considered indicative of infection.

Urine frequently supports the proliferation of bacteria, which may multiply at the same rate as in the nutrient broth. Therefore, a urine sample delayed in transit or left at room temperature for an extended period of time may give an erroneous result.

As a means of preventing growth of the microorganisms from sources exogenous to the bladder, refrigeration or culturing within 2 hours of micturition is recommended. It is not always within the control of the laboratory to maintain the parameters necessary for accurate results.

All BD Vacutainer® C&S Preservative Urine Tubes are intended for the collection and transport of urine samples for culture and sensitivity testing of bacteria.

The tubes are filled with a lyophilized urine maintenance formula and evacuated to draw approximately 4.0 mL of urine. The lyophilized urine maintenance formula can maintain the bacterial population in the urine specimen for a period of up to 48 hours at room temperature at levels comparable to those urine specimens without additive, held under refrigeration for the same period of time.”

## **Vacutainer Collection and Transfer Instructions**

Items Needed: Gloves, Sterile Urine Cup, Cleansing Towelette, MDL Urine Culture Kit (BD Vacutainer C&S Preservative Urine Tube, Vacutainer Transfer Straw, Biohazard Bag)

1. The healthcare professional should follow their facilities' procedure to instruct the patient on how to collect a clean-voided midstream urine specimen.
2. After collection, the healthcare professional should put on clean gloves and obtain the patient's urine sample.
3. To transfer the urine specimen into the grey top BD C&S Preservative Urine Tube

