

TEST CHANGE

Cyanide, Whole Blood

3003039, CYANI WB

Specimen Requirements:

Patient Preparation:

Collect: Gray -top tube (~~sodium fluoride/potassium oxalate~~). ~~Sodium Fluoride / Potassium Oxalate~~

Specimen Preparation: 1 mL whole blood. (Min: 0.4 mL) Test is not performed at ARUP; separate specimens must be submitted when multiple tests are ordered.

Transport Temperature: Refrigerated. Also acceptable: Frozen.

Unacceptable Conditions:

Remarks:

Stability: Ambient: Undefined; Refrigerated: 1 week; Frozen: 3 months

Methodology: Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry

Performed: Varies

Reported: ~~10-14~~⁸⁻¹¹ days

Note: Studies have shown that cyanide has variable instability in biological specimens and is particularly unstable in some postmortem specimens. The loss of cyanide can be minimized by shipping the sample to the laboratory for analysis as soon as possible, preferably using refrigerated or frozen transportation and preservation using sodium fluoride/potassium oxalate (grey-top tube). The potential for increases in cyanide concentrations, although rare, have also been demonstrated and may be due to microbial action. Preservation with sodium fluoride may reduce this possibility.

CPT Codes: 82600

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Reference Interval:

By report

