
Lab Dept: Chemistry

Test Name: SALICYLATE LEVEL

General Information

Lab Order Codes: SALI

Synonyms: Aspirin level; ASA Level; Acetylsalicylic Acid

CPT Codes: 80329 – Analgesics, non-opioid; 1 or 2
OR
G0480 – Drug, test, definitive (if appropriate)

Test Includes: Salicylate concentration reported in mg/dL.

Logistics

Test Indications: Aspirin has analgesic, antipyretic, and anti-inflammatory properties. Measurement of serum salicylate concentration is important in diagnosis and treatment of overdose and in monitoring therapy.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Li Heparin) tube, **preferred**
Alternate tube: Red, marble or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum/plasma

Collection: Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion.

Special Processing: Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a plastic sample cup. Store at refrigerated temperatures.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range: Therapeutic concentration: 2.8 - 29 mg/dL

Critical Values: Toxic concentration: >30 mg/dL

Limitations: Salicylic acid cross reacts with this method.

Methodology: Trinder Colorimetric

References: Siemens Vista SAL Flex® reagent cartridge Instructions for Use, Siemens Healthcare Diagnostics, PN 781020.001 Rev F, Release date 11-07-2012

Vista Chem 2 Calibrator Instructions for Use, Siemens Healthcare Diagnostics, PN 751120.001 - US, Release date, 3/2008

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Biorad Multiquel Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

Updates: 2/4/2016: CPT update
2/9/2016: Update alt tube type