MAYO CLINIC LABORATORIES

Test Definition: FALBU

Albuterol, Serum/Plasma

Overview

Method Name
High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)

NY State Available
Yes

Specimen

Specimen Type
Varies

Specimen Required
*****Must submit one specimen per order. Specimens cannot be shared between multiple orders.*****
Submit only one of the following specimens:

Serum
Specimen Type: Serum
Collection Container/Tube: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 3 mL
Collection Instructions:
1. Draw blood in a plain, red-top tube(s). **Serum gel tube is not acceptable.**
2. Centrifuge and send 3 mL of serum refrigerated in a plastic, preservative-free vial.
Note: Label specimen appropriately (serum).

Plasma
Specimen Type: Plasma
Container/Tube: Lavender top or pink top (EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 3 mL
Collection Instructions:
1. Draw blood in an EDTA (lavender top or pink top) tube(s). **Plasma gel tube is not acceptable.**
2. Centrifuge and send 3 mL of EDTA plasma refrigerated in a plastic, preservative-free vial.
Note: Label specimen appropriately (plasma).

Specimen Minimum Volume
1.2 mL

Reject Due To

Other	SST or PST

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	30 days	
	Ambient	30 days	
	Frozen	365 days	

Clinical & Interpretive

Reference Values

Reporting limit determined each analysis

None Detected ng/mL

Peak plasma levels following a 180 mcg dose via an inhaler: 1.5 ng/mL at 13 minutes post dose

Peak plasma levels following inhalation of a cumulative dose of 1 mg and 4 mg: approximately 5 and 20 ng/mL, respectively, 5 minutes post dose

Peak plasma levels following a single 8 mg oral-sustained release tablet: 13 ng/mL at 5.0 hours post dose

Average steady-state peak and trough plasma levels following a 4 mg (normal release tablet) every 6 hours for 5 days: 15 and 9.9 ng/mL, respectively.

Serum/plasma concentrations may vary significantly depending on dose, formulation, route of administration, device, lung function, and user mechanics.

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

7 to 11 days

Specimen Retention Time
2 weeks

Performing Laboratory Location
NMS Labs

Fees & Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

Test Classification
This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information
80299

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FALBU	Albuterol	9311-2

Result ID	Test Result Name	Result LOINC® Value
Z1441	Albuterol	9311-2
Z1856	Reporting Limit	19147-8