

## 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             |