

## Overview

### Useful For

Confirming or excluding the presence of lupus anticoagulant (LAC)

Distinguishing LAC from specific coagulation factor inhibitors and nonspecific inhibitors

Investigating a prolonged activated thromboplastin time, especially when combined with other coagulation studies

This test is **not useful** for the detection of antiphospholipid antibodies that do not affect coagulation tests. We recommend separate testing for serum phospholipid (cardiolipin) antibodies.

### Testing Algorithm

If the prothrombin time, activated partial thromboplastin time, and dilute Russell viper venom time are normal, a computer-generated interpretive comment indicating no evidence of a lupus anticoagulant will be provided.

If any test results in the profile are abnormal, all results will be reviewed by a coagulation consultant and a Lupus Anticoagulant Profile Interpretation (ALUPO) will be provided.

### Method Name

Only orderable as part of a profile. For more information see ALUPP / Lupus Anticoagulant Profile, Plasma.

Technical Interpretation

### NY State Available

Yes

## Specimen

### Specimen Type

Plasma Na Cit

### Specimen Required

Only orderable as part of a profile. For more information see ALUPP / Lupus Anticoagulant Profile, Plasma.

**Patient Preparation:** Patient should not be receiving warfarin or heparin. If the patient is currently on warfarin or heparin, this should be noted.

### Specimen Minimum Volume

1 mL

### Reject Due To

Gross hemolysis	Reject
Gross lipemia	Reject
Gross icterus	Reject

### Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma Na Cit	Frozen	14 days	

## Clinical and Interpretive

### Clinical Information

Lupus anticoagulant (LAC) is an antibody to negatively charged phospholipid that interferes with phospholipid-dependent coagulation tests.

LAC is found in, but not limited to, patients with systemic lupus erythematosus; LAC is associated with other autoimmune disorders and collagen vascular disease, occurs in response to medications or certain infections (eg, respiratory tract infections in children), and in individuals with no obvious underlying disease.

LAC has been associated with arterial and venous thrombosis and fetal loss. Individuals with thrombocytopenia or factor II deficiency associated with LAC may be at risk for bleeding.

### Reference Values

Only orderable as part of a profile. For more information see ALUPP / Lupus Anticoagulant Profile, Plasma.

An interpretive report will be provided.

### Interpretation

[An interpretive report will be provided when testing is complete.](#)

### Cautions

Patient should not be receiving warfarin or heparin. If the patient is currently on warfarin or heparin, this should be noted, treatment with heparin causes false-positive results of in vitro coagulation testing for lupus anticoagulant. Coumadin treatment may impair ability to detect the more subtle varieties of lupus-like anticoagulants.

### Clinical Reference

1. Arnout J, Vermeylen J: Current status and implications of autoimmune antiphospholipid antibodies in relation to thrombotic disease. J Thromb Haemost 2003 May;1(5):931-942
2. Levin JS, Branch DW, Rauch J: The antiphospholipid syndrome. New Engl J Med 2002 March 7;346(10):752-763
3. Proven A, Bartlett RP, Moder KG, et al: Clinical importance of positive tests for lupus anticoagulant and anticardiolipin antibodies. Mayo Clin Proc 2004 Apr;79(4):467-475

## Performance

### Method Description

If the prothrombin time, activated partial thromboplastin time, and dilute Russell viper venom time are normal, a computer-generated interpretive comment indicating no evidence of a lupus anticoagulant will be provided (ALUPI).(Unpublished Mayo method)

If any test results in the profile are abnormal, all results will be reviewed by a coagulation consultant and a Lupus Anticoagulant Profile Interpretation (ALUPO) will be provided.

**PDF Report**

No

**Day(s) Performed**

Monday through Friday

**Report Available**

3 to 5 days

**Specimen Retention Time**

7 days

**Performing Laboratory Location**

Rochester

**Fees and 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 Regional Manager. For assistance, contact [Customer Service](#).

**Test Classification**

Not Applicable

**CPT Code Information**

85390

**LOINC® Information**

Test ID	Test Order Name	Order LOINC Value
ALUPI	Lupus Anticoagulant Tech Interp	75882-1

Result ID	Test Result Name	Result LOINC Value
ALUPI	Lupus Anticoagulant Tech Interp	75882-1