

**Reporting Title:** Rivaroxaban, Anti-Xa, P  
**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**Ordering Guidance:**  
This assay is not indicated for monitoring low-molecular-weight heparin (LMWH) or unfractionated heparin (UFH) concentrations. The presence of UFH and LMWH will cause the rivaroxaban anti-Xa level to be falsely elevated.

This assay is optimized to measure rivaroxaban concentration in presence of coagulation factor Xa recombinant, inactivated-zhzo (andexanet alfa, Andexxa).

**Necessary Information:**

**Specimen Requirements:**

- Specimen Type:** Platelet-poor plasma  
**Collection Container/Tube:** Light-blue top (3.2% sodium citrate)  
**Submission Container/Tube:** Plastic vial  
**Specimen Volume:** 1 mL

**Collection Instructions:**

- Specimen should be collected 2 to 4 hours (peak) after a dose or just prior (trough) to the next dose for rivaroxaban concentrations.
- For complete instructions, see [Coagulation Guidelines for Specimen Handling and Processing](#)
- Centrifuge, transfer all plasma into a plastic vial, and centrifuge plasma again.
- Aliquot plasma into a plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
- Freeze plasma immediately (no longer than 4 hours after collection) at -20 degrees C or, ideally, below -40 C degrees.

**Additional Information:**

- A double-centrifuged specimen is critical for accurate results as platelet contamination may cause spurious results.
- Each coagulation assay requested should have its own vial.

**Forms:**

[If not ordering electronically, complete, print, and send a Coagulation Test Request](#) (T753) with the specimen.

Specimen Type	Temperature	Time	Special Container
Plasma Na Cit	Frozen	42 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
RIVA1	Rivaroxaban, Anti-Xa, P	Numeric	ng/mL	74871-5
RIVA2	Interpretation	Alphanumeric		69049-5
RIVA3	Cautions	Alphanumeric		62364-5

LOINC® and CPT codes are provided by the performing laboratory.

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**Supplemental Report:**

No

**CPT Code Information:**

80299

**Reference Values:**

An interpretive report will be provided.