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**Lab Dept:** Chemistry

**Test Name:** METHOTREXATE POLYGLUTAMATE

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***General Information***

**Lab Order Codes:** MTXP

**Synonyms:** Avise PG

**CPT Codes:** 82491 – Chromatography, quantitative, column; single analyte not elsewhere specified, single stationary and mobile phase

**Test Includes:** Measures red blood cell methotrexate polyglutamates (MTX PGs), the active metabolites of methotrexate.

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***Logistics***

**Test Indications:** Avise PG testing service is a specialized blood test that helps measure how well your body metabolizes methotrexate (MTX). MTX is a widely used medication for the treatment of rheumatoid arthritis (RA) and may be prescribed alone or in combination with other therapies. However, not everyone responds to MTX therapy in the same way, so some patients need a higher dose while others do fine on a lower dose.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Exagen Diagnostics (Exagen Test: Avise PG)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 7 – 10 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Whole Blood

**Container:** Lavender top (EDTA) tube provided in kit

**Draw Volume:** 5 mL blood

**Processed Volume:** Same as Draw Volume

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: DO Not centrifuge specimen. Send in original collection container with an ice pack. Ship specimens M-F, overnight priority delivery. If shipment is delayed, store refrigerated. The specimen may be stored up to 4 days before shipping.

Ship to:  
Exagen Diagnostics, Inc.  
1260 Liberty Way Ste C  
Vista, CA 92081  
Phone: 1-888-452-4522  
<http://www.avisetest.com>

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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***Interpretive***

**Reference Range:**

|                  |                    |
|------------------|--------------------|
| Therapeutic:     | >60 nmol/L         |
| Intermediate:    | 20.0 – 60.0 nmol/L |
| Sub-therapeutic: | <20 nmol/L         |

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Liquid chromatographic method with post column photo-oxidation technique

**References:** [Exagen Diagnostics Avise](#) January 2018