

NEW TEST ANNOUNCEMENT

NOTIFICATION DATE: September 14, 2010 **EFFECTIVE DATE:** September 28, 2010

VITAMIN E, SERUM #60297

EXPLANATION: Mayo Medical Laboratories New England Vitamin E, S #60297 will be replacing Rochester Vitamin E, S #8505, which will be made obsolete on October 21, 2010.

USEFUL FOR:

- Evaluation of individuals with motor and sensory neuropathies
- Monitoring vitamin E status of premature infants requiring oxygenation
- Evaluation of persons with intestinal malabsorption of lipids

METHODOLOGY: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

REFERENCE VALUES:

0-17 years: 3.8-18.4 mg/L > or = 18 years: 5.5-17.0 mg/L Significant deficiency: <3.0 mg/L Significant excess: >40 mg/L

SPECIMEN REQUIREMENTS:

Container/Tube: Plain, red-top tube(s)-Serum gel tube is not acceptable.

Specimen Volume: 0.5 mL of serum

Collection Instructions: Fasting-overnight (12-14 hour) (infants-draw prior to next feeding).

Send specimen refrigerated in an amber vial (Supply T192) to protect from light.

Note: Vitamin A, vitamin E, and carotene analysis can be performed on 1 tube. However, the total volume of serum sent must be > or =3.5 mL. Aliquot 3 mL into an amber vial (Supply T192) to protect from light and label for carotene. Pour the remaining serum into an amber vial (Supply T192) to protect from light and label for vitamin A and/or vitamin E. Send the carotene vial frozen.

CAUTIONS:

Testing of nonfasting specimens or the use of vitamin supplementation can result in elevated vitamin concentrations. Reference values were established in patients who were fasting.

LIST FEE: \$128.10

CPT CODE: 84446

ANALYTIC TIME: 1 day

DAY(S) SET-UP: Monday – Friday, 1st Shift

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or Mary Erath, MML Laboratory Technologist Resource Coordinator Telephone: 800-533-1710