



Inter Science Institute
Inglewood CA 90302

5-HIAA (5-hydroxyindoleacetic acid), Plasma*

(*Collected with ISI's Z-tube™)

Clinical Significance for NETs:

The ISI plasma 5-HIAA assay correlates well with the 24-hour urinary 5-HIAA assays. This test has been clinically validated for NET patients who previously relied on the 24-hour urinary 5-HIAA. The plasma 5-HIAA saves time, alleviates the need to collect urine in a collection container, and provides equivalent clinical information.

Reference Range:

Up to 22 ng/mL

Procedure:

5-HIAA plasma is measured by GC-MS/MS.

Patient Preparation:

Patient should fast overnight prior to collection of specimen.

Specimen Collection:

Collect 10 mL plasma in special Z-tube™ and separate as soon as possible. Freeze plasma immediately after separation. Minimum specimen size is 1 mL. Z-tubes™ are available from Inter Science Institute (ISI).

Important Precaution:

Specimens for this assay must be collected using ISI's Z-tube™. Specimens must be shipped frozen; specimens are not stable refrigerated or ambient. No substitute preservatives are acceptable.

Special Specimens:

*Frozen Z-tube™ plasma is the only acceptable sample type for this assay.

Shipping Instructions:

Ship specimens frozen in dry ice.

References:

1. Cai H-L, Zhu R-H, Li H-D, et al. MultiSimplex optimization of chromatographic separation and dansyl derivatization conditions in the ultra performance liquid chromatography-tandem mass spectrometry analysis of neurotransmitters in human urine. J Chromato B 879: 1993-1999, 2011.
2. Gonzalez RR, Fernandez RF, Vidal JLM et al. Development and validation of an ultra-high performance liquid chromatography-tandem mass spectrometry (UHPLC-MS/MS) method for the simultaneous determination of neurotransmitters in rat brain samples. J Neuro Meth 198: 187-194, 2011
3. Stephanson N, Helander A, Beck O. Alcohol biomarker analysis: simultaneous determination of 5-hydroxytryptophol glucuronide and 5-hydroxyindoleacetic acid by direct injection of urine using ultra-performance liquid chromatography-tandem mass spectrometry. J Mass Spect 42: 940-949, 2007.

CPT code: 82542

Price: \$325.00

TAT: 10-14 days*
(*Mondays-Fridays only.)