

**HPLC READY TO USE DIAGNOSTIC KIT FOR HPLC****5-HIAA; 5-HYDROXYINDOLEACETIC ACID in urine samples**

Catalog No: RC-5HU-K00100;

Pack Size: 100 tests

Category: BIOGENIC AMINES

End Point Method: Fluorescence Reading

Quantization of urinary 5-HIAA is the best test for carcinoid, but scrupulous care must be taken that specimen collection and patient preparation have been correct. Carcinoid tumors may cause increased excretion of tryptophan, 5-hydroxytryptophan and histamine as well as serotonin. Serum serotonin assay may detect some carcinoids missed by 5-HIAA assays. The production and metabolism of serotonin is dependent upon the tissue of origin of the tumor. Tumors from midgut cells, such as ileal carcinoid usually contain and release large quantities of serotonin. These amounts may not be fully reflected in the amount of the metabolite (5-HIAA) in urine, because little is metabolized. Tumors derived from foregut cells (bronchial, pancreatic, duodenal, or biliary carcinoid) produce large amounts of serotonin, which is oxidized within the tumor to 5-HIAA. With these tumors, urinary excretion of 5-HIAA is often much higher than would be expected from clinical presentation. Tumors derived from hindgut cells (rectal carcinoid) rarely produce excess serotonin or 5-HIAA.

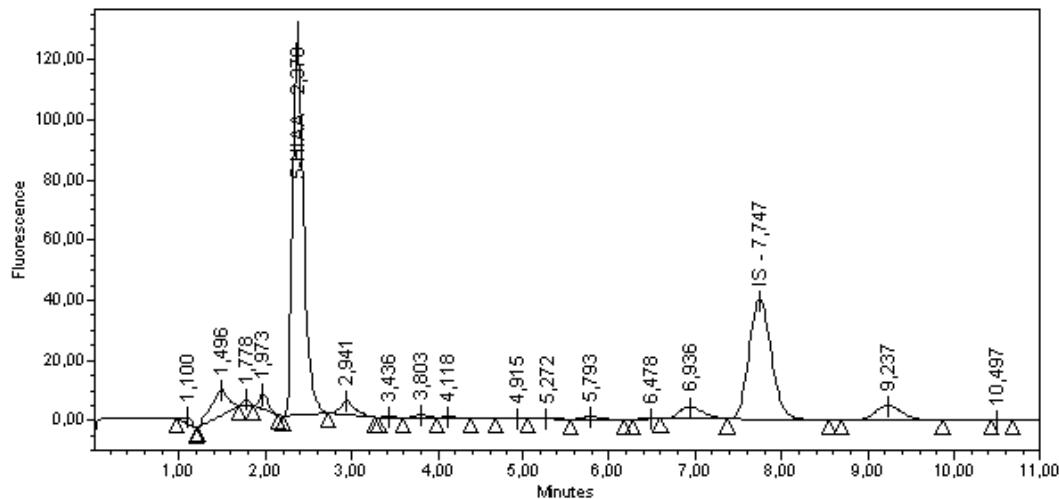
The kit allows chromatography determination of 5-HIAA on isocratic HPLC with Fluorescence detector

**COMPOSITION:**

Kit for 100 tests includes:

- i) Mobile phase,
- ii) Calibration standard,
- iii) Internal Standard,
- iv) Reagents A and B, C1 and C2,
- v) SPE cartridges.

The Kit is characterized by an easy sample preparation. The approved kit components ensure a reliable and trouble-free analytics.

**CHROMATOGRAM OF STANDARD:**

**SAFETY PRECAUTIONS:**

1. This kit is for in vitro use only. Follow the working instructions carefully. KINESISDX and its authorized distributors shall not be liable for damages indirectly or consequentially brought about by changing or modifying the procedure indicated.
2. The expiration dates stated on the respective labels are to be observed. The same relates to the stability stated for reconstituted reagents.
3. Do not use or mix reagents from different lots.
4. Do not use reagents from other manufacturers.
5. Avoid time shift during pipetting of reagents.
6. All reagents should be kept at 2 - 8 °C before use in the original shipping container.
7. Some of the reagents contain small amounts of bromonitrodioxane (< 0.01 % w/w), methylisothiazolones (< 20 ppm) and sodium azide (< 0.05 %) as a preservative. They must not be swallowed or allowed to come into contact with skin or mucosae.
8. Since the kit contains potentially hazardous materials the following precautions should be observed:
9. Do not smoke, eat or drink while handling kit material.
10. Always use protective gloves,
11. Never pipette material by mouth,
12. Wipe up spills promptly, washing the affected surface thoroughly with a decontaminant.

**THANK YOU FOR USING A KINESISDX PRODUCT !!!**