

## **HPLC READY TO USE DIAGNOSTIC KIT FOR HPLC**

*Pyd, Dpd Crosslinks in urine samples*

Catalog No: RC-CSU-K00100

Pack Size: 100 tests

Category : OSTEOPOROSIS AREA

End Point Method : Fluorescence reading

Pyd, Dpd Crosslinks is an important marker in the diagnostics of osteoporosis. After a special sample preparation, Pyd, Dpd Crosslinks can be quantified without interferences as a derivative. This kit relates to a method of monitoring collagen degradation as a diagnostic aid in relation particularly to osteoporosis and rheumatoid arthritis.

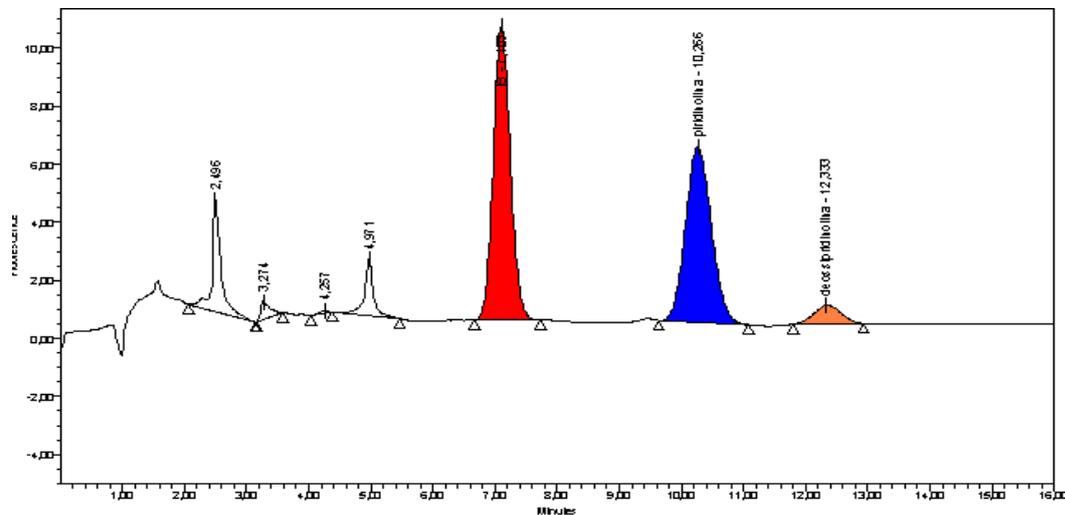
The pyridinium crosslinks are formed from three hydroxylysine residues, two from the terminal (non-helical) peptides of the collagen molecule that are enzymatically converted to aldehydes before reaction and a third hydroxylysine situated in the helical portion of a neighboring collagen molecule.

The method allows to determine the concentration of Crosslink in the urine through chromatography determination with isocratic HPLC and Fluorescence detector.

### **COMPOSITION:**

Kit for 100 tests, include: Mobile phase, Calibration standard, Reagent A, B, C, D, E, hydrolysis and reconstitution reagent, SPE cartridge. The Kit is characterized by an easy sample preparation. The proved kit components ensure a reliable and trouble-free analytics.

## CHROMATOGRAM OF STANDARD



**standard interno**  
**piridinolina**  
**deossipiridinolina**

### 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 !!!