

CERTIFICATE OF ANALYSIS

HUMAN URINE PROTEINS

Human Cystatin C

Product code: P175-1

Batch No:

Product presentation: Single homogenous batch supplied lyophilised from 0.02M NH_4HCO_3 . May contain traces of buffer salts.

Purity: Nominally greater than 96% of the protein is Cystatin C.

Starting material: Urine from patients with chronic renal tubular proteinuria. Starting material tested and found negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies.

Storage: Store at 2-8°C, shelf life minimum 1 year.

Reconstitution: Use of a 0.1M sodium acetate buffer pH 4.5 is recommended.

Analysis

SDS-Polyacrylamide Gel Electrophoresis.

Cellulose Acetate Electrophoresis.

Radial immunodiffusion (RID) using Scipac standard.

Protein concentration by optical density at 280nm using $E^{1\text{cm}} = 0.91$.

0.1%

Total protein concentration as determined by Lowry method.

Results

Shows one band corresponding to Cystatin C molecular weight of 13kD.

Shows one band visible with post γ electrophoretic mobility.

Confirms OD result.

mg/ml (dispensing solution).

Confirms OD result.

Position: **Name:**

Signed: **Date:** **Order No:**

