

Patient NAME	Report STATUS :
DOB/Age/Gender	Barcode NO :
Patient ID / UHID	Sample Type :
Referred BY	Report Date :
Sample Collected	

## #Protein Electrophoresis, 24 Hrs Urine

<b>Total Proteins</b>	<b>276.00</b>	mg/24 hrs	28-141
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### Electrophoretic Zones - Relative Concentration (%)

<b>Albumin</b>	20.40
<b>Alpha-1</b>	-
<b>Alpha-2</b>	-
<b>Beta</b>	79.60
<b>Gamma</b>	-
<b>M-Spike</b>	See Comment
<b>Comment</b>	FAINT BAND SEEN IN BETA REGION. ADVISED URINE IMMUNOFIXATION.

#### Interpretation:

**Method :** Gel Electrophoresis - High resolution.

#### Interpretation :

1. It allows detection by densitometry scanning & yielding relative concentration ( Percentage ) of individual Protein zone and monoclonal components which must be confirmed & identified by immunofixation and the detection of proteins of tubular, glomerular or mixed origin which must be confirmed by appropriate tests.

2. Urine electrophoresis on samples with urinary total proteins less than 300 mg/Day often does not yield different band formation for various protein fractions. For such samples advised further workup and correlation with urinary albumin quantification. These samples are retested using concentration method - after Pretreatment with fast ultrafiltration using centrifugal filter devices, resulting in 80 fold concentration of urine samples

**Associated Tests:** Cytogenetic markers for Prognostication of Multiple Myeloma is available (Multiple Myeloma by FISH Panel - IGH gene rearrangement [t(11;14),t(4;14),t(14;16)] translocations, monosomy 13/deletion 13q14, deletion 11q deletion 17p, chromosome 1p/q deletion/amplification ploidy status for chromosome 5,9 and 15) at Metropolis Healthcare

Components	Compositions	Interferences
Albumin	Albumin	Lipoproteins, Drugs, Bilirubin, Radiological contrast
Alpha1 - globulins	α-1 antitrypsin, α-1 acid glycoprotein	-
Alpha2 - globulins	α-2 macroglobulin, haptoglobulin	Haptoglobin - haemoglobin complex
Beta globulins	Transferrin, β-lipoprotein, IgA, IgM & sometimes IgG with complement protein	Fibrinogen
Gamma globulins	IgG, IgA, IgM, IgD, IgE	CRP

NOTE- \*\*This test is processed at Redcliffe's partnered lab

\*\*\* End Of Report \*\*\*



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