

**CPK ISOENZYME  
ELECTROPHORESIS,  
SERUM**

(Agarose Gel Electrophoresis)

<b>CPK</b>	U / L	(Link with gender)
<b>CPK-BB</b>	%	0.00
<b>CPK-MB</b>	%	<5.00
<b>CPK-MM</b>	%	95.00-100.00

**Note:** 1. CPK activity in normal individuals is mainly due to CPK-MM while contributions by other CPK isoenzymes are negligible

2. CPK isoenzyme fractions are reported as a Percentage of Total CPK

<b>GENDER</b>	<b>REFERENCE RANGE IN U/L</b>
Males	<=171
Females	<=145

**Comments**

Creatine phosphokinase (CPK) activity is found in skeletal muscle, myocardium & brain as isoenzymes MM (CK<sub>3</sub>), MB(CK<sub>2</sub>) & BB(CK<sub>1</sub>) respectively. In a normal heart an average of 15-20% of CPK is CPK-MB with a higher percentage in the right heart than in the left heart. This assay helps to indicate the source of raised CPK levels.