

## Product Datasheet

### Alkaline Phosphatase (CIP/CIAP), Calf Intestinal 480-20

<b>Product Name</b>	Alkaline Phosphatase (CIP/CIAP), Calf Intestinal
<b>Catalog Number</b>	480-20
<b>Alternative Names</b>	CIP, CIAP, ALP, Orthophosphoric-Monoester Phosphohydrolase
<b>Brand</b>	Lee Biosolutions
<b>Form/Appearance</b>	Lyophilized Off-white to tan powder
<b>Concentration</b>	$\geq 0.4$ mg protein/mg (Coomassie)
<b>Storage</b>	$-20$ °C
<b>Purity</b>	Highly Purified
<b>CAS Number</b>	9001-78-9
<b>Source</b>	Calf Intestines
<b>Molecular Weight</b>	Consists of two identical subunits of 65kDa
<b>Shelf Life</b>	3 years
<b>Biological Activity</b>	$\geq 210$ U/mg (Siemens Dimension® Clinical Chemistry System)
<b>Content</b>	Ammonia: $\leq 1.0$ micromole/mg
<b>Specific Activity</b>	$\geq 280$ U/mg protein (Typically $\geq 1,000$ U/mg protein)
<b>Unit Definition</b>	One unit will convert one micromole of p-nitrophenylphosphate to p-nitrophenol and phosphate per minute at 37°C in the presence of AMP (2-amino-2-methyl-1-propanol) at pH 10.35 and 37°C.