

Product Datasheet

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

Product Name	Alkaline Phosphatase (CIP/CIAP), Calf Intestinal
Catalog Number	480-20
Alternative Names	CIP, CIAP, ALP, Orthophosphoric-Monoester Phosphohydrolase
Brand	Lee Biosolutions
Form/Appearance	Lyophilized Off-white to tan powder
Concentration	≥ 0.4 mg protein/mg (Coomassie)
Storage	-20 °C
Purity	Highly Purified
CAS Number	9001-78-9
Source	Calf Intestines
Molecular Weight	Consists of two identical subunits of 65kDa
Shelf Life	3 years
Biological Activity	≥ 210 U/mg (Siemens Dimension® Clinical Chemistry System)
Content	Ammonia: ≤ 1.0 micromole/mg
Specific Activity	≥ 280 U/mg protein (Typically ≥ 1,000 U/mg protein)
Unit Definition	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.