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## Purification of extracellular Autolysin from *Moraxella* sp. CK-1

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*Moraxella* sp. CK-1 is known a bacterium that inhibits the growth of *Anabeana cylindrica*, a cyanobacterium. *Moraxella* sp CK-1 was harvested in BG-11C medium until absorbance 0.7-0.8 at 660nm. Then the cells were centrifuged at 8,600× g. Supernatant was concentrated with Amicon ultra filtration. Concentrated supernatant was treated 80% saturated ammonium sulfate and centrifuged at 19,000× g. Pellet was resuspended with 20mM Tris-HCl pH8.0 buffer. In first column, sample was loaded onto Mono-Q/HR of anion exchange column with Fast Protein Liquid Chromatography(FPLC) and separated three-peaks. In second column, each peak was loaded onto superdex-75/HR column. Each peaks were checked activity with *Anabeana cylindrica* lawn. The enzymes have molecular weight 18kDa, 22kDa, 30kDa in SDS-PAGE. Data will discuss in terms of the purification.