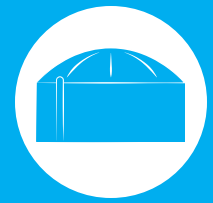


# Ana-Zyme P

Biocatalysts for the Anaerobic Breakdown of Proteins



Ana-Zyme P is a biocatalyst specifically formulated to quickly and thoroughly degrade complex proteins commonly found in the anaerobic waste of meat packing, rendering, food processing, or farms. Protein rich materials are difficult substrates for anaerobic digestors to break down. They show up undigested in tests even when everything else has been completely degraded.

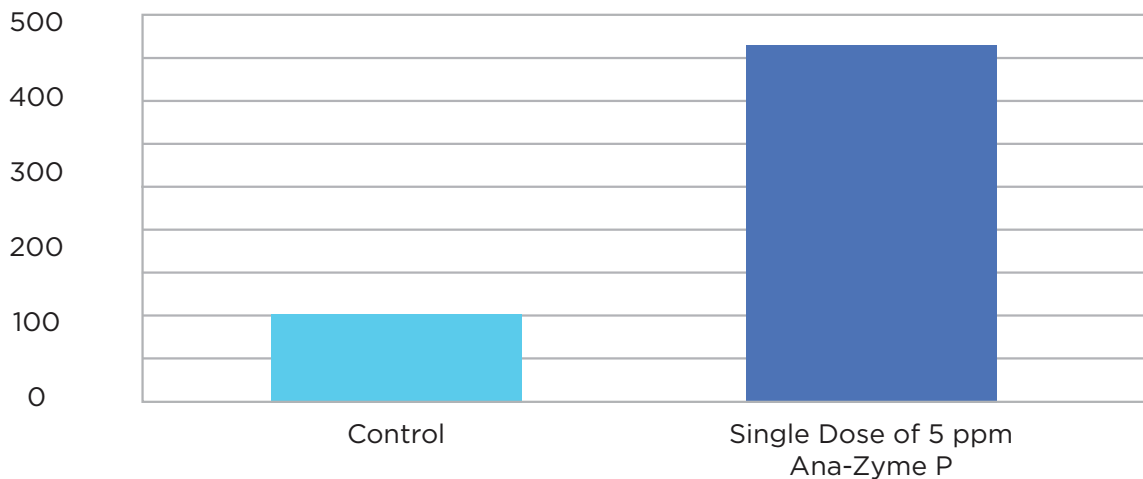
Ana-Zyme P unlocks the full biogas potential of protein rich substrates by breaking them down in a way that methanogens cannot. The rapid hydrolysis of these complex proteins into soluble amino acids creates food and an environment more favorable for methanogenic bacteria.

- Improved biogas production
- More complete breakdown of complex proteins
- Increased flexibility in feed stocks
- Reduction in volatile solids
- Less sludge production



Figure 1:

Total Methane Generation Over 40 Days (mL CH<sub>4</sub>/g VS)



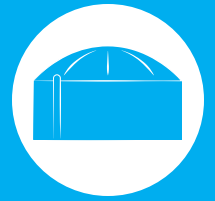
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# Dose Rates

## Ana-Zyme P



*Aquafix Laboratories partners with those who run or operate anaerobic digestors of any kind through technical consulting and biological methane potential testing. Feel free to reach out to us for technical assistance any time.*

### Industrial Anaerobic Digester or Anaerobic Lagoon

Initial Dose - weekly for 1 month	Maintenance Dose - weekly thereafter
5-10 gal per 500,000 gal <b>tank volume</b>	2.5 gal per 50,000 gal <b>daily inflow</b>

### Municipal Anaerobic Digester or Anaerobic Lagoon

Initial Dose - weekly for 1 month	Maintenance Dose - weekly thereafter
5 gal per 500,000 gal <b>tank volume</b>	1.25 gal per 50,000 gal <b>daily inflow</b>

#### Ana-Zyme P Dosing:

- Add weekly to blend/feed pit, or directly to digester
- Can be metered in
- Ideal pH 6-9
- Ideal temperature 20-60°C

#### Available Sizes:

- 5 gal case
- 55 gal drum
- 275 gal tote

#### Notes:

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