

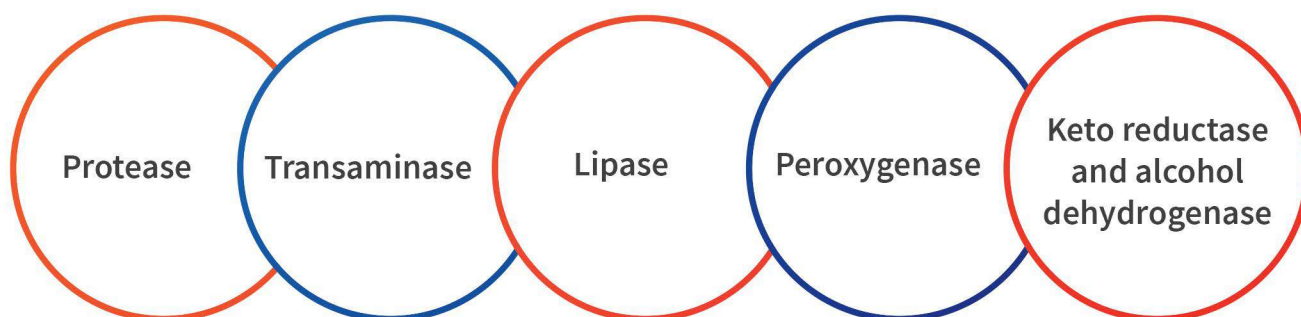
# Green Chemistry Initiatives at Aragen

Providing innovative cutting edge scientific solutions, in an environmentally sustainable and socially responsible manner.

Aragen is committed to continuous process improvement and using tools and techniques of operational excellence to reduce overall waste generation.

## How do we do it?

- **Use of flow technology**  
to improve process efficiency & safety, enhanced yield and quality.
- **Use of specialized enzymes for biotransformation process**  
for chiral induction, functional group transformation, reduction and oxidation



## ■ Use of electrodes for conducting redox reactions

to reduce metal waste.



Graphite SK-50



Glassy carbon



Platinum-plated



Magnesium



Stainless steel



Nickel foam



RVC



Zinc

## ■ SFC technology for purification

to reduce solvent consumption.

## ■ Use of automation in dispensing solvents and recycling of solvents

for enhanced operational safety and waste reduction.

### Where do we stand?

- 11% of total energy consumption is via renewable sources.
- 4000 tons reduction in CO2 emissions.
- 8 million man-hours of operations without loss-time injury.
- 41354 Kl of treated water recycled back generated from effluent treatment.
- 240 MT of hazardous waste sustainably disposed.
- 3945 MT of waste recycled.

Let's begin the  
conversation

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Committed to sustainable growth.

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