



# BIO-RESPONSE SOLUTIONS

**SCIENTIFIC**  
Effluent Decontamination Systems  
Alkaline Hydrolysis Systems



# EDS *Effluent Decontamination Systems*

Biokill Systems Waste Inactivation Liquid Decon Thermal Inactivation  
Kill Tank Chemical Inactivation Thermochemical Waste Sterilization  
Waste Neutralization Disinfection Pathogen Destruction Validation  
Solids Handling pH Manipulation Redundancy Energy Recovery LEED

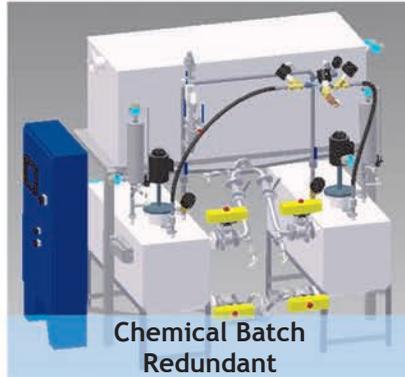
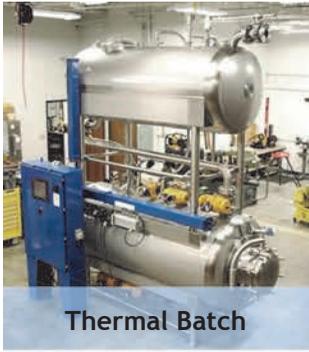
We are the trusted experts for the treatment of challenging laboratory wastes.

## Nobody does it better.



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SOLUTIONS**

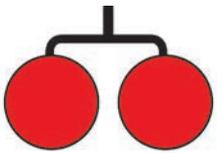
# Types of EDS Systems



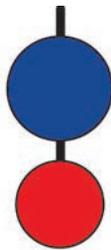
## Batch System Configurations

Effluent Decontamination Systems (EDS) can be configured in many ways. A few common configurations are shown below:

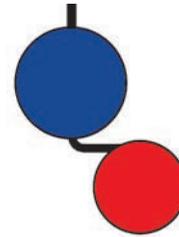
### Non-Redundant



- Two process tanks
- Lowest ceiling height requirement

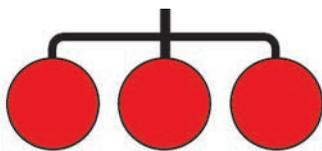


- One collection tank and one process tank
- Piggyback orientation
- Greatest ceiling height requirement
- Smallest footprint

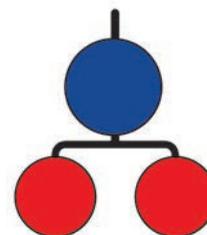


- One collection tank and one process tank
- Side-by-side orientation
- Lower ceiling height requirement

### Redundant



- Three or more process tanks



- One collection and two or more process tanks

# THERMAL

# BATCH

- Most common type of EDS
- Meets the 121°C Standard (250°F); higher temperatures available though not recommended
- Available with or without significant agitation and solids destruction
- Available in multiple types of stainless steel
- Many configurations available
- Standard designs available to decrease engineering costs
- Redundancy options available



Exceptional  
Solids Handling