



Alkaline Hydrolysis *Systems*

Tissue Digesters Carcass Disposal Caustic Digestion Low Temperature
High Temperature Waste Neutralization Pathogen Destruction
Sterilization Disease Control Energy Reduction Validation Testing LEED

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

Nobody does it better.



BIO-RESPONSE
SOLUTIONS

Bio-65

SINGLE BASKET LAB SYSTEMS



- ◆ Capacity: 1 to 65 lb (min—max)
- ◆ Cycle Time: 8-20 hours
- ◆ Laboratory system
- ◆ Includes a single basket for an individual animal or communal cycle
- ◆ User selects the size of the cycle (low or high)
- ◆ Can process a single-animal cycle

Bio-110

SINGLE BASKET LAB SYSTEMS



- ◆ Capacity: 1 to 110 lb (min—max)
- ◆ Cycle Time: 8-20 hours
- ◆ Laboratory system
- ◆ Includes a single basket for an individual animal or communal cycle
- ◆ User selects the size of the cycle (low or high)
- ◆ Can process a single-animal cycle

CUSTOM

SINGLE BASKET LAB SYSTEMS



- ◆ Capacity: 65-10,000 lb (min—max)
Custom systems available in any size
- ◆ Cycle Time:
High Temperature 6-8 hours
Low Temperature 8-20 hours
- ◆ Laboratory system
- ◆ Includes a single basket for an individual large animal or communal cycle
- ◆ User selects the size of the cycle (low, med, or high)

ALKALINE HYDROLYSIS

- Available in low temperature (-93 - 98°C / 200 - 208°F) and high temperature (150°C / 302°F) versions
- Both versions produce the same end product: 100% sterile, and free of prion proteins (MALDI-TOF and Amino Acid Assay confirmed)
- High temperature versions operate at 4 bar pressure, and produce shorter cycle times (2 or more cycles per day)
- Low temperature versions operate at atmospheric pressure, but require longer cycle times (1-2 cycles per day depending on system size)
- Low Temperature systems represent a tremendous advantage in equipment life, safety, equipment costs, operation costs, and sustainability
- Steam or electrically heated
- Wide variety of sizes available, ranging from 65 to 10,000lb (30 to 4,500kg) in capacity
- Containment systems with pass-through capability available
- Combination EDS/Alkaline Hydrolysis systems available
- Can be easily integrated into modular labs
- All systems feature Bio-Response's exclusively superior propeller agitation, no agitation pumps, and no troublesome submerged seals – making these systems a joy to own, operate, and maintain over the long haul
- We ship more alkaline hydrolysis systems than all other manufacturers combined



90% Less Energy
Used than Incineration

0 Emissions of
Harmful Greenhouse
Gasses

Method of Choice
For Biocontainment
Facilities

No EPA
Air Quality Permits
Required

Over 17 Years of
Experience Making AH
Equipment

ALKALINE HYDROLYSIS



Laboratory and Vivarium Systems
Custom Sizes; Small Footprint



Single-Body Systems for Medical Schools
Anatomical Gifts and Willied Body Programs



Veterinary Pet Disposition Systems
Featuring Individual Pet Compartments



Mobile On-Site Disease Response
Self-Contained System; 4000lb Capacity

Sustainability.

Bio-Response Solutions is dedicated to making sustainable, environmentally conscious solutions available to the scientific industries. All equipment is designed and manufactured in the first facility in Indiana designed from the ground up to be solar heated.



**Biosafety
Equipment
Design Experts**

**Constant
Innovation**

**Energy
Conscious**

**Cutting-Edge
Technology**

**Over 100
Combined Years of
Industry Experience**

**Forward
Thinking**



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SOLUTIONS**



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