

Performance Specifications and Specificity Data for Pro Strips™ and BADD™

X = No cross-reactivity – Blank cell = N/A

Near Neighbor Strains	Type	Concentrations	Anthrax Test	Ricin Test	Botulinum Test	Y. pestis Test	SEB Test
ATCC 10702	Bacillus cereus	1x10 ⁸ cfu/ml	X			x	x
ATCC 9372	Bacillus subtilis niger	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 33679	Bacillus thuringiensis (Kurstaki)	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 8185	Bacillus brevis (Migula)	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 35646	Bacillus thuringiensis (Israelensis)	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 6633	Bacillus subtilis (spizizenii)	1x10 ⁸ cfu/ml	X				
ATCC 31028	Bacillus globigii	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 25972	Bacillus licheniformis	1x10 ⁸ cfu/ml	X				
ATCC 14579	Bacillus cereus	1x10 ⁸ cfu/ml	X	x	x	x	x
ATCC 700872	Bacillus thuringiensis (Israelensis)	1x10 ⁸ cfu/ml	X	x	x	x	x
	PBS	1%	x	x	x	x	x
	Bovine Serum Albumin	10mg/ml	x	x	x	x	x
Limits of Detection							
			Vollum=50ng/ml or 1.55 x10 ⁴ cfu/ml	5 ng/ml	Bot A 33ng/ml	1.0 ug/ml or 1.0x10 ⁵ cfu/ml	10ng/ml
			Ames=83 ng/ml or 3.1 x 10 ⁴ cfu/ml		Bot B 500ng/ml		
			Sterne=125 ng/ml or 8.3 x10 ⁴ cfu/ml				
			New Hampshire=1.6x10 ⁸ cfu/ml				
Live Agents Tested							
	B. anthracis Vollum	DOD	Reactive to				
	B. anthracis Ames	DOD	Reactive to				
	B. anthracis Maputo	UK/MOD	Reactive to				
	B. anthracis Turkey	UK/MOD	Reactive to				
	B. anthracis USAMRID	UK/MOD	Reactive to				
	B. anthracis Sterne	DOD	Reactive to				
	B. anthracis New Hampshire	DOD	Reactive to				
Antigens Tested							
	Botulinum Toxin A	100ug/ml	x	x	Reactive to	x	x
	Botulinum Toxin B		x	x	Reactive to	x	x
	Y. pestis	100ug/ml	x	x	x	Reactive to	x
	SEB	100ug/ml	x	x	x	x	Reactive to
	Ricin A Chain		x	Reactive to	x	x	x
	Bacillus. anthracis (Vollum)		Reactive to	x	x	x	x

Common household items tested using all five tests at 1000ng/ml - No false positive results occurred

Sodium Chloride • Non-Dairy Creamer • Granulated Sugar • Household Dust • Talc Powder • Non-Fat Dry Milk • Wheat Flour • Baking Soda • Baking Powder • Laundry Detergent • Purified Water • Corn Starch • Rapunzel Rize Baking Yeast • Red Star Active Dry Yeast • Fleischmann's Yeast • Cream Cleaner • Lemon Cream Cleaner • Deodorant • Gluten-free flour • Organic Self Rising Flour • Plain Wheat Flour • Self Rising Flour • Whole Meal Flour • Lactose • Ground Black Pepper • Cocoa • Free Running Table Salt • Castor Sugar • Icing Sugar • J&J Baby Powder • Biodegradable Laundry Powder • Artificial Sweetener • Desenex • Assorted Spices