

SANDWICH ASSAYS PERFORMED WITH RESEARCH INTERNATIONAL'S EXISTING BIOASSAY PLATFORM			
Target Agent	Liquid Media	Approx. Detection Limit	References (see second page)
Cocaine	Urine	50ng/ml	6
TNT	Water	440 ng/ml	5, 9, 11
RDX	Water	1,000 ng/ml	5
Ovalbumin	Water	5 ng/ml	18
Ricin	Water	<0.5 ng/ml	10, 15, 18, 19
Staphylococcal enterotoxin B	Water	0.1-0.5 ng/ml	12, 15, 16, 18, 20
Cholera toxin	Water	0.1-1 ng/ml	16, 20
D-dimer	Blood plasma	200 ng/ml	8
Protein C	Blood plasma	160 ng/ml	7
<i>Bacillus globigii</i>	Water	2.5 x 10 ⁴ CFU/ml	18, 20
<i>Bacillus anthracis</i>	Water	30 CFU/ml	Footnote (a)
Sterne strain, vegetative cells	Whole blood	100 CFU/ml	18
Ames strain, irradiated spores	Water	10 ⁴ -10 ⁵ CFU/ml	16, 18
Botulinium toxin	Water	1 – 10 ng/ml	6, Footnote (a)
<i>Erwinia herbicola</i>	Water	10 ⁷ CFU/ml	Footnote (a)
<i>Yersinia pestis</i> F1 antigen	Water	1-5 ng/ml	15, 13, 18
<i>Brucella abortus</i>	Water	7 x 10 ⁴ CFU/ml	18
<i>Francisella tularensis</i>	Water	5 x 10 ⁴ CFU/ml	15, 18, 20
<i>Escherichia coli</i> O157:H7	Hamburger slurry	100-1000 CFU/g (direct)	2, 3, 4
	“ “	0.08-0.4 CFU/g (6 hour enrichment)	17
	Raw sewage	1000 CFU/ml	16
Salmonella typhimurium	Water	20,000 CFU/ml	14, 15, 16
<i>Giardia lamblia</i>	Drinking Water	5 x 10 ⁴ /ml	18
MS2	Water	10 ⁹ pfu/ml	15
Vaccinia	Water	10 ⁵ pfu/ml	1
RSV	Water	Equiv. to std. ELISA	Footnote (b)

Footnotes:

(a) Private communication - G.P. Anderson, Naval Research Laboratory.

(b) Unpublished data - David McCrae & Ann Wilson, Research International.

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