

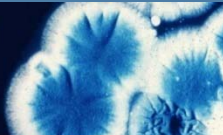
ASTECC

ASPERGILLUS TECHNOLOGY CONSORTIUM

Review Process & Scoring System

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IAAM



INVASIVE ASPERGILLOSIS ANIMAL MODELS

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ASPERGILLUS TECHNOLOGY CONSORTIUM

Scoring System

Parameter	Scoring
Limit of detection	<1 ng/ml=1, >100 ng/ml=5
Sensitivity, clinical	>90%=1, <50%=5
Specificity, clinical	% negative >90%=1, <50%=5
Precision positive control	CV <5%=1, >50%=5
Interference	none=1, >3 common conditions=5
Cross-reactivity	none=1, >3 common causes=5
Sample stability	room temperature=1, frozen within 1 hour=5
Sample preparation	none=1, multiple steps=5
Equipment requirement	none=1, non-standard expensive item=5
Assay complexity	dipstick=1, >5 steps=5
Time requirement	<30 min=1, overnight=5
Training requirement	<2 hr=1, >1 wk=5
Cost for kit	<\$10/test=1, >\$100/test=5
Total	13-65

Platelia Aspergillus EIA

Parameter	Finding	Score
Limit of detection	0.5 ng/ml	1
Sensitivity, clinical	80%	2
Specificity, clinical	90%	2
Precision positive control	5-10%	2
Interference	Pip-tazo	3
Cross-reactivity	Penicillium	2
Sample stability	48 hr refrig	3
Sample preparation	EDTA boil	2
Equipment requirement	EIA	3
Assay complexity	3 steps	3
Time requirement	3 hr	4
Training requirement	1 wk	2
Cost for kit	\$16	2
		Total=29

Fungitell Beta Glucan

Parameter	Finding	Score
Limit of detection	60 pg/ml	1
Sensitivity, clinical	80%	2
Specificity, clinical	50%	5
Precision positive control	4-24%	3
Interference	Multiple	5
Cross-reactivity	Multiple	3
Sample stability	48 hr refrig	2
Sample preparation	KOH	3
Equipment requirement	EIA kinetic	3
Assay complexity	3 steps	3
Time requirement	3 hr	4
Training requirement	>1 wk	5
Cost for kit	\$26	3
		Total=42



Scoring Categories

Category	Score
Excellent potential	<35
Promising	35-50
Questionable	>50

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