











## Direct antigen testing

- Detects group A antigen in exudate
- Sensitivity varies with kit
- Tend to miss low numbers
- Culture follow up essential for pediatric patients
- Culture follow up at MD's discretion for adult patients

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Medium	Method
Sheep blood agar with stabs	Aerobic
Sheep blood agar	Anaerobic
Sheep blood agar with TMP/SMX	5-10% CO <sub>2</sub> or anaerobic









































SEC	WBC	Organisms	Culture	Comments
<10	NA	None or only candida	No	"Culture request canceled. The negative predictive value of a Gram stain with no organisms is 95%."
<10	NA	Bacteria	Yes	ID/AST only pathogen seen on GS
<10	>>25	Mixed flora w/anaerobes	No	"Culture request canceled. Gram stain suggestive of aspiration."
>10	>>SEC	Potential pathogen	Yes	ID/AST only pathogen seen on GS
>10	>SEC	No predominant pathogen	No	"Culture request canceled. Culture results on specimens with>10 squamous epithelial cells reflect oral flora and are usually clinically insignificant."

Expectorated or induced and <10 SEC/LPF				
EF	Pathogen	Do		
Little or none	≥10 colonies	ID/AST		
Little or none	<10 colonies	Include in endogenous flora		
<u>&gt;</u> Moderate	<moderate< td=""><td>Prelim. ID</td></moderate<>	Prelim. ID		
<u>&gt;</u> Moderate	>Moderate	ID/AST		



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