



Agar Experiment Worksheet: Results

Eva is on a summer work placement at the local hospital laboratory.

It is her job to read the test results and fill in the paperwork. Eva has missed up some of the test results.

Patient	Peni-cillin	Meti-cillin	Erythro-mycin	Vanco-mycin	Amoxi-cillin	Diagnosis
	No	No	No	No	No	Influenza
	Yes	Yes	Yes	Yes	Yes	Strep throat
	No	Yes	Yes	Yes	No	<i>Staphylococcus</i> wound infection
	No	No	No		No	MRSA

Yes means Sensitive – no zone of growth visible

✘ No means Not sensitive – no zone visible

She has cultured the infectious organism isolated from each of the patients on agar plates and identified the diagnosis.

Can you repeat the antibiotic sensitivity test and match the patient to the results.

SW1 - Agar Experiment Conclusions Worksheet- Section B



Agar Experiment Student Worksheet: Results

In the results section below, record the results of your sensitivity test and identify which antibiotic you would recommend the doctor to prescribe.

Patient A _____

Flu (<i>Influenza</i> virus)	Zone of Inhibition Size (mm)
Penicillin	
Methicillin	
Erythromycin	
Vancomycin	
Amoxicillin	

Recommended antibiotic

Patient B _____

Strep Throat (<i>Streptococcus</i>)	Zone of Inhibition Size (mm)
Penicillin	
Methicillin	
Erythromycin	
Vancomycin	
Amoxicillin	

Recommended antibiotic

Patient C _____

MRSA (Methicillin Resistant <i>Staphylococcus</i> <i>aureus</i>)	Zone of Inhibition Size (mm)
Penicillin	
Methicillin	
Erythromycin	
Vancomycin	
Amoxicillin	

Recommended antibiotic

Patient D _____

Staph Wound Infection (<i>Staphylococcus</i> <i>aureus</i>)	Zone of Inhibition Size (mm)
Penicillin	
Methicillin	
Erythromycin	
Vancomycin	
Amoxicillin	

Recommended antibiotic
