

Bench aid

for AST reading and interpretation

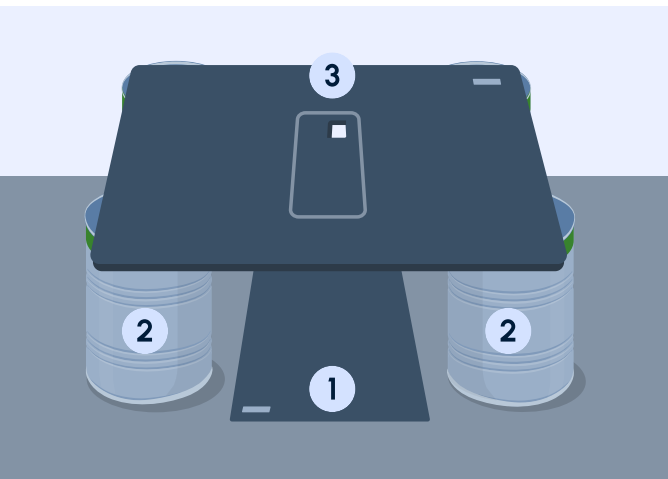


V9 - 27/07/2026 for 2.5

Step 0

Setting up the photo booth

- 1 **Background:** a rectangular piece of matte black felt, A4 size (21x30 cm)
 - 2 **Stands:** two objects to support the upper cardboard. About 21 cm such as a bottle, or a becher.
 - 3 **Upper cardboard:** a rigid sheet of matte black cardboard, A3 size (42x60 cm) or larger.
- ⚠ **Place the Petri dish in the middle of the Background sheet, face up and cover removed.**



Step 1

Create a new AST

Step 2

Fill in AST information, including the number of Petri dishes

Steps 3 & 4

Take and confirm the photo

Step 5

Confirm or edit number of discs

Step 6

If any, add undetected discs

Step 7

Confirm the antibiotic name, concentration and code. Edit if needed.

Step 8

Confirm or adjust the IZD

Step 9

Run interpretation. If requested, answer to interpretation questions

Step 10

Review & sign the Summary. Edit if needed.

Steps 11 & 12

View & Send both bench sheet and/or clinical report following lab guidelines (e.g. email or print)

17:37

Search

Welcome to Antibiogo!

Start by processing your first AST or check our recommended actions:

Adjust additional settings

Your ASTs will show up here once you start reading them.

+ New AST

AST

QC for labs

More

17:37

Enter AST ID

Step: 1/6

AST ID

Do not enter patient name. Should be unique identifier of the Petri dish.

Ensure you follow EUCAST 20XX guidelines to prepare your AST.

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

English (US)

Go

17:37

How many Petri dishes are you using for this AST?

Step: 3/6

1 Petri dish

2 Petri dishes

3 Petri dishes

4 Petri dishes

Up to 4 Petri dishes may be processed.

17:37

Confirm photo

Align the Petri dish

Did you remove the cover?

Cover blurs photo. Please take it off.

Re-take photo

Use photo

17:37

Confirm photo

Antibiogo detected 11 antibiotics on the Petri dish. How many are actually on it?

Number of discs

12

Confirm

17:37

Detect discs

Add undetected discs

Tap on unchecked discs to help Antibiogo's detection. You will be able to discard any disc later.

17:37

Identify & measure

Are the antibiotic name and code correct?

Cefotixin 30µg • FOX30

No

Yes

17:37

Identify & measure

Edit antibiotic name

Filter for antibiotics

Ertapenem 10µg

Amikacin 30µg

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

English (US)

Go

17:37

Identify & measure

Edit antibiotic code

Filter or add a code

Can't find the code? Type it to add

AMP2

AMC2

AM2

17:37

Identify & measure

Confirm inhibition zone diameter

14 mm

Confirm

17:37

Identify & measure

Petri dish completed

All antibiotics on this Petri dish have been identified. Continue to the next one.

Cancel

Next Petri dish

17:37

Interpretation

Interpretation in progress...

Using EUCAST 20XX guidelines

17:37

Interpretation questions

Check for synergy

Do you see synergy between Clavulanic acid and 3rd-generation Cephalosporins (CAZ IO, CRO30, FEP30, CTX5)? This is symptomatic of an ESBL.

No

Yes

17:37

Summary

Review

+ Add another Petri dish

AST ID

ID310031

Number of Petri dishes

3

Bacteria

Escherichia coli

17:37

Summary

Patient

Patient ID

156464165-1561

+ Ward

+ Age

+ Sex

Interpretation checks

Q: Confirm antibiotic identification and diameter

A: CIP5, 24 mm

Q: Confirm antibiotic identification and diameter

A: FEP30, 22 mm

Q: Check for synergy

A: Yes

I, Kendra Lili, certify that all above information, including antibiotic names and their inhibition zones measurements are correct.

Proceed to results

17:37

Results

2 notes available below.

Tested antibiotics

Antibiotics

IZD

SIR

Ertapenem 10µg

26

3

Imipenem 10µg

28

3

Meropenem 10µg

27

3

Ciprofloxacin 5µg

24

1

Amoxicillin + Clavulanic Ac 20-10µg

18

R

Ampicillin 10µg

6

R

Aztreonam 30µg

12

R

Cefepime 30µg

22

R

Cefotaxime 30µg

14

R

Cefoxitin 30µg

14

R

17:37

Results

Reported antibiotics

Default

Amoxicillin + Clavulanic Ac (cystitis) - Access

Ertapenem - Watch

Imipenem - Watch

Meropenem - Watch

Inferred

Ciprofloxacin (non Meningitis) - Watch

Ciprofloxacin - Watch

Amoxicillin + Clavulanic Ac - Access

R

Ampicillin - Access

R

Cefoxitin - Access

R

Inferred

Oxacillin - Access

R

Cefepime - Watch

R

17:37

Results

Bench sheet

Clinical report

Aztreonam - Reserve

R

Default selection is based on multiple factors and includes inferred results.

Comments for clinician

Edit

Expert system comment

Extended-spectrum beta-lactamase production detected.

Expert system comment

For systemic infections, aminoglycosides (gentamicin, amikacin, tobramycin) should be used in combination with other active therapy.

Expert system comment

Systemic infections - Colistin has to be administered only in combination with another active therapy

AST information

Sample information

Patient information

Clinical report saved

Open

17:37

Results

Bench sheet

Clinical report

Inferred

Vancomycin - Watch

R

Aztreonam - Reserve

R

Default selection is based on multiple factors and includes inferred results.

Comments for clinician

Edit

Expert system comment

Extended-spectrum beta-lactamase production detected.

AST information

Sample information

Patient information

Clinical report saved

Open