

Prompts

(1) Binary prompt:

""# LISTS OF REFERENCE:

****EUROPEAN_COUNTRIES:****

Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, England, Estonia, Faroe Islands, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, North Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Scotland, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Türkiye, Ukraine, United Kingdom, UK, Vatican, Wales, Yugoslavia, Europe.

****BACTERIA_LIST:****

Salmonella, Campylobacter, Escherichia coli, Vibrio, Yersinia, Clostridium, Cronobacter, Staphylococcus (including Staphylococcus aureus), Listeria, Bacillus cereus.

INSTRUCTION

You are a research assistant screening studies for a systematic review on bacterial antimicrobial resistance. Your task is to decide whether the article should be ****ACCEPTED (1)**** or ****REJECTED (0)****, based **ONLY** on its title and abstract.

Determine whether the study should be 0 or 1 by analyzing each criterion listed below.

EXCLUSION CRITERIA

****REJECT**** if the study meets ****any**** of these conditions:

- **STUDY TYPE:**** It is a review, meta-analysis, book chapter or editorial.
- **ORIGIN OF ISOLATES:**** All isolates are from:
 - Humans
 - Clinical disease in any animal (sick/infected animals, tissues, fluids, etc.)
 - Fecal, nasal, or urine samples
 - Environmental sources (e.g., soil, water, surfaces)
- **SUBSTANCE ANALYZED:**** It exclusively evaluates non-antibiotic compounds (e.g., plant extracts, essential oils, synthetic substances) or detects non-resistance genes.
- **BACTERIA ANALYZED:**** It does not analyze any of the specified bacteria listed in ****BACTERIA_LIST****.
- **LOCATION:**** It was conducted outside of a European country (see the list ****EUROPEAN_COUNTRIES****).

INCLUSION CRITERIA

****ACCEPT**** if the study meets ****all**** of these conditions:

1. ****STUDY TYPE:**** The study is a primary study or an observational study.
2. ****LOCATION:**** It was conducted in one of the European countries listed in ****EUROPEAN_COUNTRIES****.
3. ****ANALYSIS:**** It explicitly investigates antimicrobial resistance, antimicrobial susceptibility (e.g., antibiogram, minimum inhibitory concentration, MIC) OR detects resistance genes (e.g., WGS, PCR).
4. ****BACTERIA ANALYZED:**** It analyzes at least one of the specified bacteria listed in ****BACTERIA_LIST****.
5. ****ORIGIN OF ISOLATES:**** Isolates are from:
 - Food for human consumption (e.g., meat, milk, eggs)
 - Carcasses, skin, meat juice, cecal samples, or organs of non-sick/infected animals commonly consumed by humans.

DECISION RULES

- If ****any**** of the ****EXCLUSION CRITERIA**** are met, the study is ****REJECTED (0)****.
- If ****no**** ****EXCLUSION CRITERIA**** are met and ****ALL**** of the ****INCLUSION CRITERIA**** are met or strongly implied, the study is ****ACCEPTED (1)****.

FORMAT

Return the decision in JSON format only, following the model below. The JSON object must be valid and complete.

```
```json
{
 "Score": 1 or 0,
 "Reasoning": "A concise explanation stating which criteria were or were not met."
}
```

#### # STUDY TO REVIEW:

TITLE: {}

ABSTRACT: {}""

## (2) Continuous prompt:

""# LISTS OF REFERENCE:

**\*\*EUROPEAN\_COUNTRIES:\*\***

Albania, Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, England, Estonia, Faroe Islands, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, North Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Scotland, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Türkiye, Ukraine, United Kingdom, UK, Vatican, Wales, Yugoslavia, Europe.

**\*\*BACTERIA\_LIST:\*\***

Salmonella, Campylobacter, Escherichia coli, Vibrio, Yersinia, Clostridium, Cronobacter, Staphylococcus (including Staphylococcus aureus), Listeria, Bacillus cereus.

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### # INSTRUCTION

You are a research assistant screening studies for a systematic review on bacterial antimicrobial resistance.

Your task is to assign a RELEVANCE SCORE between 0 and 1, based ONLY on the title and abstract of the study, following the criteria below.

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### # EXCLUSION CRITERIA

**\*\*REJECT\*\*** if the study meets **\*\*any\*\*** of these conditions:

1. **\*\*STUDY TYPE:\*\*** It is a review, meta-analysis, book chapter or editorial.
2. **\*\*ORIGIN OF ISOLATES:\*\*** All isolates are from:
  - Humans
  - Clinical disease in any animal (sick/infected animals, tissues, fluids, etc.)
  - Fecal, nasal, or urine samples
  - Environmental sources (e.g., soil, water, surfaces)
3. **\*\*SUBSTANCE ANALYZED:\*\*** It exclusively evaluates non-antibiotic compounds (e.g., plant extracts, essential oils, synthetic substances) or detects non-resistance genes.
4. **\*\*BACTERIA ANALYZED:\*\*** It does not analyze any of the specified bacteria listed in **\*\*BACTERIA\_LIST\*\***.
5. **\*\*LOCATION:\*\*** It was conducted outside of a European country (see the list **\*\*EUROPEAN\_COUNTRIES\*\***).

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## # INCLUSION CRITERIA

**\*\*ACCEPT\*\*** if the study meets **\*\*all\*\*** of these conditions:

1. **\*\*STUDY TYPE:\*\*** The study is a primary study or an observational study.
2. **\*\*LOCATION:\*\*** It was conducted in one of the European countries listed in **\*\*EUROPEAN\_COUNTRIES\*\***.
3. **\*\*ANALYSIS:\*\*** It explicitly investigates antimicrobial resistance, antimicrobial susceptibility (e.g., antibiogram, minimum inhibitory concentration, MIC) OR detects resistance genes (e.g., WGS, PCR).
4. **\*\*BACTERIA ANALYZED:\*\*** It analyzes at least one of the specified bacteria listed in **\*\*BACTERIA\_LIST\*\***.
5. **\*\*ORIGIN OF ISOLATES:\*\*** Isolates are from:
  - Food for human consumption (e.g., meat, milk, eggs)
  - Carcasses, skin, meat juice, cecal samples, or organs of non-sick/infected animals commonly consumed by humans.

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## # DECISION RULES

- Score = 0.00 if the study clearly meets at least ONE exclusion criterion.
- Score = 1.00 if the study clearly meets ALL inclusion criteria and NONE of the exclusion criteria.
- Use a score between 0.01 and 0.99 to express uncertainty. The score should reflect your confidence that the study meets all inclusion criteria.
- The score must be continuous, with at least two decimal places.

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## # FORMAT

Return the decision in JSON format only, following the model below. The JSON object must be valid and complete.

```
```json
{
  "Score": between 0.00 and 1.00,
  "Reasoning": "A concise explanation stating which criteria were or were not met."
}
```

STUDY TO REVIEW:

TITLE: {}

ABSTRACT: {}""