**Pathogenicity : the ability of a microorganism to produce disease in a host.**

**Pathogenicity test :**

1. **Use a seeds :**
* **Preparation spore suspension to The fungus specific to pathogenicity test .**
* **Bring certified seeds.**
* **Providing clean soil in pots ٬** **With three pots** **as follows:**

**1 – The First Pot is a control (just put the seed).**

**2 – The second pot contains seed soaked spore suspension**

**3 - The third pot contains a soil sprinkled with spore suspension .**

* **Note : the seedling growth in a week and record results.**

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Figure(1) Pathogenicity test use seeds

1. **Use a fruits:**
* **Preparation spore suspension to The fungus specific to pathogenicity test .**
* **Bring fruits sound and free from any scratch (Any type).**
* **Hole the fruit of three equal places by needle.**
* **Each type of fungus two fruit as follows:**

 **1 - The First fruit is a control (just hole three equal places).**

 **2 - The second a fruit exposed to spray spore suspension on the holes areas .**

* **Put fruits inside a sterile bag ٬ and then inside the incubator for 5 to7 days at 25° with note appearance spots on the fruit, measured and compared with control.**

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Figure(2) Pathogenicity test use fruit

**Spore suspension preparation :**

1. Pour 10 ml of distilled water on the petri dish container fungal isolates under study .
2. By a glass slide is harvested fungal inside dish .
3. Filter by filter paper .
4. Mixing tube by Vortex .

 

 Figure(3) Spore suspension

**Or**

1. Cutting disc the size of 1 cm from the petri dish containing the fungal .
2. Placed inside the tube container 10 ml of distilled water.
3. Mixing tube by Vortex .