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Japanese encephalitis virus isolation

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ABSTRACT

The mosquito grinding supernatant and CSF samples were inoculated into Vero cells to finish virus isolation.

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MATERIALS TEXT

The mosquito grinding supernatant ,CSF samples, Vero cell.

BEFORE STARTING

Mosquito grinding supernatant was sterilized using a filter with a pore size of 0.22 μm.

virus isolation

1 The filtered sterile mosquito grinding solution was inoculated into 24-well plates grown to 80% monolayer Vero cells, 70 μl of each well was added for virus isolation, and a 3-well blank control was set for each plate.(for CSF samples 100μl of each well was added for virus isolation).

2 Incubate at 37℃ for 1 h.

3 1 ml of MEM medium containing 2% FBS was added to each well for maintenance of growth. Cultivate at 37℃ 5% CO2 and observe under microscope every day whether cytopathic effect (CPE) occurs.

4 Specimens with no CPE were used for blind transmission for three generations .

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