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Separate different viral genome sizes

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Abstract

For use in "Fingerprinting aquatic virus communities using PFGE"

Protocol

Step 1.

(1) 1–5 s switch time with 20 h run time for separation of small genome sizes (0–130 kb).

⏱ DURATION

20:00:00

Step 2.

(2) 8–30 s switch time with 20 h run time for separation of medium genome sizes (130–300 kb).

⏱ DURATION

20:00:00

Step 3.

(3) 20–40 s switch time with 22 h run time for separation of large genome sizes (300–600 kb).

⏱ DURATION

22:00:00

Step 4.

Stain the gel for 30 min or overnight in fluorescent stain (according to manufacturer's instructions) and view on a UV transilluminator.

⏱ DURATION

00:30:00