核酸檢測?快篩?傻傻分不清楚

檢測方法	核酸檢測	抗原檢測
原理	偵測病毒RNA	以單株抗體偵測 病毒蛋白
俗稱	RT-PCR	快篩
所需時間	約2-4小時	約10-20分鐘
優點	準確率高 少量病毒也能驗出 直接偵測病毒	快速檢測 直接偵測病毒 可直接在檢疫場所操作
缺點	耗時、需專業人員操作	準確度較核酸檢測低

貼心提醒：快篩陰性不代表沒有染病

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泰國

ความแตกต่างระหว่างPCRกับ Rapid Test Antigen

วิธีการตรวจ	PCR (Polymerase Chain Reaction)	Rapid Test Antigen
หลักการ	การตรวจหาไวรัสRNA (ตัวอย่างเช่น Real Time RT-PCR และเทคโนโลยีอื่น)	ตรวจหาโปรตีนจากไวรัสด้วยโมโนโคลนอลแอนติบอดี
เวลาที่ต้องการ	ประมาณ 2-4 ชั่วโมง	ประมาณ 10-20 นาที
ข้อดี	ความแม่นยำสูง ตรวจพบไวรัสได้เล็กน้อย การตรวจหาไวรัสโดยตรง	ตรวจเร็ว การตรวจหาไวรัสโดยตรง สามารถตรวจได้โดยตรงที่จุดตรวจคัดกรองโควิด
ข้อเสีย	ใช้เวลานาน ต้องการผู้เชี่ยวชาญช่วยตรวจ	ความแม่นยำต่ำกว่า PCR

เตือน:ผลเป็นลบจากการตรวจคัดกรองแบบเร็ว "ไม่ได้"หมายความว่าไม่ติดเชื้อ

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英文

Differences between COVID-19 molecular test and antigen test

Method	COVID-19 Molecular Test	Antigen test
Principle	Detect viral RNA	Detect viral proteins with monoclonal antibodies
Also Known As	RT-PCR test, NAAT, LAMP test	Rapid test, Point-of-care test
Required Time	About 2-4 hours	About 10-20 minutes
Pros	High detection accuracy. Can detect trace amount of virus. Detects virus directly.	Rapid Screening. Detects virus directly. Can be done at quarantine station.
Cons	Time consuming. Requires professional operation.	Lower accuracy compared to PCR test

Reminder: Negative rapid screening result is not a guarantee of not being infected.

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越南

Sự khác biệt giữa phương pháp xét nghiệm Axit nucleic và sàng lọc nhanh

Phương pháp xét nghiệm	Phương pháp kiểm tra Axit nucleic	Sàng lọc kháng nguyên nhanh
Nguyên lý	Phát hiện RNA virus	Phát hiện các protein của virus bằng các kháng thể đơn dòng
Thời gian cần thiết	Khoảng 2-4 tiếng	Khoảng 10-20 phút
Ưu điểm	Độ chuẩn xác cao Lượng nhỏ virus vẫn có thể kiểm tra được Trực tiếp phát hiện virus	Kiểm tra nhanh Trực tiếp phát hiện virus Có thể thực hiện kiểm tra ngay tại các trạm phòng dịch
Nhược điểm	Tốn thời gian , cần nhân viên chuyên nghiệp thực hiện	Độ chuẩn xác thấp hơn so với phương pháp kiểm tra Axit nucleic

Lời nhắc nhở: kiểm tra sàng lọc nhanh âm tính không có nghĩa là không bị lây nhiễm

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印尼

Perbedaan Antara Swab PCR dan Rapid Test Antigen

Cara	PCR (Polymerase Chain Reaction)	Rapid Test Antigen
Prinsip	Mendeteksi RNA virus (Metode seperti Real Time RT- PCR (PCR waktu nyata))	Mendeteksi protein virus dengan antibodi monoklonal
Waktu yang diperlukan	Kira-kira 2-4 jam	Kira-kira 10-20 menit
Kelebihan	Tingkat akurasi tinggi Virus dengan jumlah kecil dapat juga terdeteksi Mendeteksi virus secara langsung	Pemeriksaan cepat Mendeteksi virus secara langsung Dapat langsung dioperasikan di tempat karantina
Kelemahan	Makan waktu Memerlukan pengoperasian profesional	Tingkat akurasi lebih rendah dibandingkan dengan PCR

Peringatan: Rapid Test Antigen dengan hasil negatif bukan jaminan bebas dari infeksi virus.

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