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Test kit components put together at the lab	Pre-made kits from manufacturers	
Manual processing	Automated platforms	
Small instruments	Large instruments	
Lower volume throughput	High volume throughput	
Highly flexible – one instrument can be modified for different or emerging pathogens	Less flexible – instrument is not easily modified to test for emerging pathogens	
First to be deployed for emerging pathogen response	Distributed later in emerging pathogen response	



General Term	Method	What are you looking for?	Examples
Serology	Fluorescents (EIA; ELISA; IFA; CMIA)	Antibodies	HIV, syphilis FTA, hepatitis
Antigen	Antigen (sometimes rapid)	Proteins on exterior of virus	HIV, SARS-CoV-2
Molecular	NAAT/PCR	Pathogen DNA or RNA target	Chlamydia, SARS- CoV-2, pertussis, norovirus, influenza
Culture	Culture	Growth of a pathogen	Enteric pathogens, pertussis







