



ILLUCIDX COVID-19 RT-LAMP

High Throughput
Chemistry

Illucidx strives to Enable access to diagnostic technologies across the globe to improve patient outcomes



ILLUCIDX

Ultra-Sensitive Diagnostics

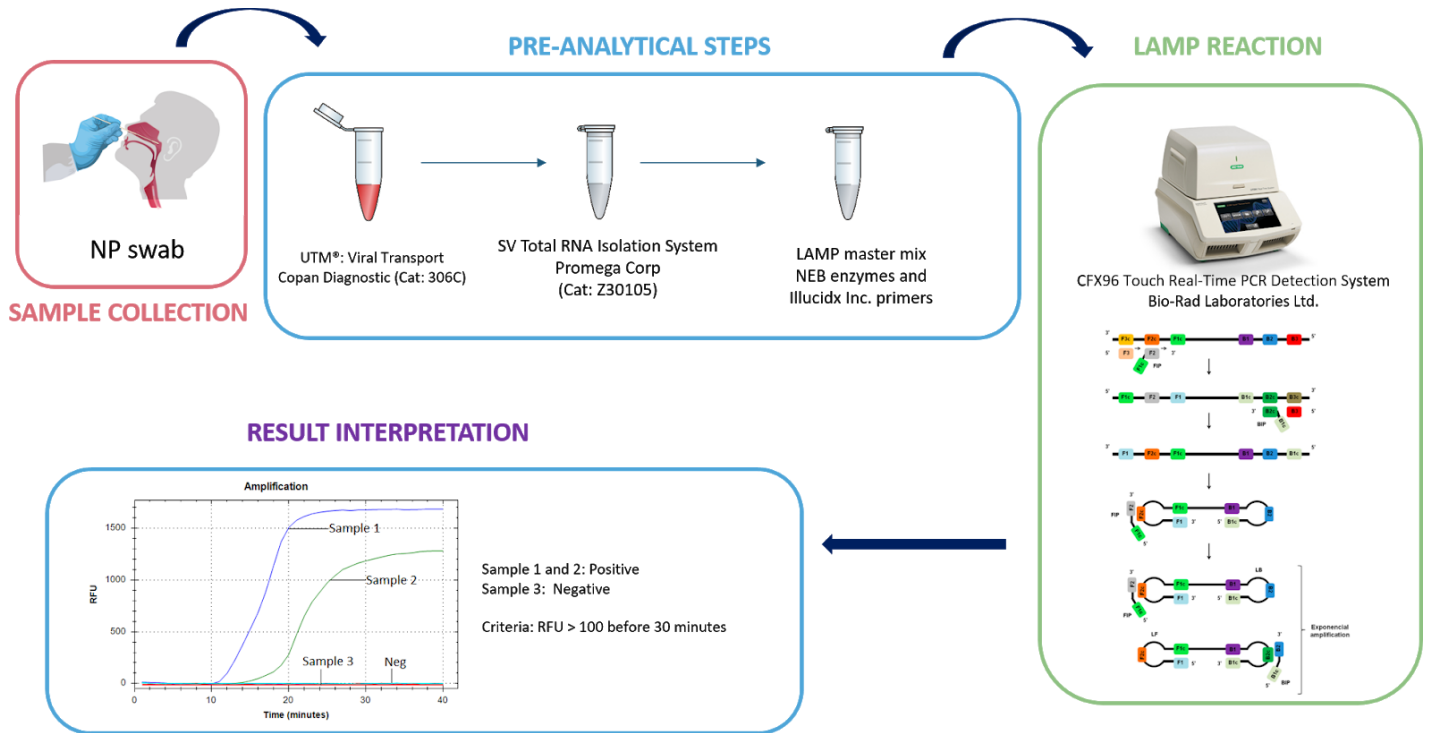
Contact Us:

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3655 36 St NW Calgary, AB T2L 1Y8 Canada

Workflow



Utilize Loop-Mediated Isothermal Amplification (LAMP)

High-throughput, Rapid, Sensitive and specific detection

Compatible with Nasal Swabs and Throat Swabs

Health Canada Interim Order Submission Pending

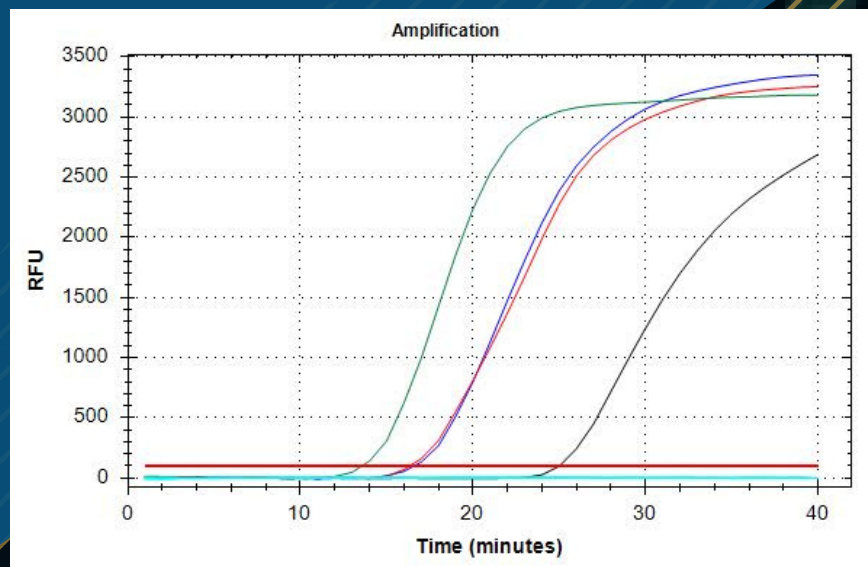
Clinical Validation

Clinical validation using 124 clinical patient samples

RT-LAMP (S + RdRP)	RT-PCR (E and N2 gene)		Total
	Positive	Negative	
Positive	65	0	65
Negative	1	58	59
Total	66	58	124
PPA	98.48% (95%CI 91.84% to 99.96%)		
NPA	100.00% (95%CI 93.84% to 100.00%)		

Limit of Detection

Patient sample NP VTM	Replicate 1	Replicate 2	Replicate 3	Replicate 4	Replicate 5
100 copies*/reaction	17.44	12.42	12.47	13.54	11.14
50 copies/reaction	10.16	20.92	11.33	13.74	10.53
25 copies/reaction	11.33	Neg	10.93	Neg	Neg
12.5 copies/reaction	Neg	16.34	Neg	Neg	Neg
*quantified using digital droplet PCR					



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