

Kit		Diagnostic use	Cost	FDA approval	CE market	Available tests	Biotech companies
NASBA	Nucli SENS EasyQ OligoC-Test	No Yes	\$ 50,000 \$26/test	No No	No Yes	HIV <i>Leishmania</i> parasites	Bio Merieux, France CorisBioConcept, Belgium
LAMP	Genie II	No	\$13 000 Instrument	No	No	Compatible with most fluorescence-based assays	OptiGene, United Kingdom
	Loopamp™	Yes	€352.50/96 reactions	Yes	Yes	<i>Mycobacterium tuberculosis</i> *, <i>Plasmodium vivax</i> , <i>Plasmodium falciparum</i> and <i>Plasmodium pan</i> species, SARS-CoV-2*	Eiken Chemical Co., Japan
	Alethia (Illumigene)	Yes	—	Yes	Yes	<i>C. difficile</i> , <i>Herpes simplex virus (HSV) type 1 and 2</i> *, <i>Cytomegalovirus</i> *, <i>Streptococcus agalactiae</i> , <i>Mycoplasma pneumonia</i> , <i>Bordetella pertussis</i> , <i>Streptococcus pyogenes</i> , <i>Plasmodium spp</i>	Meridian Bioscience, 2021, United States
SDA	ProbeTec Becton	Yes	—	Yes	Yes	<i>Chlamydia trachomatis</i> * <i>Neisseria gonorrhoeae</i> * <i>HSV 1and2</i> *	Dickinson and Co., United States
RCA	illustra TempliPhi 2000	No	\$ 3,804/200 reactions	No	No	User design	GE Healthcare, United States
RPA	Twista	No	\$160/1 00 reactions	No	No	User design	TwistDX, United Kingdom
MDA	REPLI-g Mini Kit	No	\$807/100 reactions	No	No	User design	Qiagen, United States
NEAR	DNable®	No	—	No	No	GMO testing	EnviroLogix, Brazil
SMAP 2	AccuLift Ultra-Sensitive RNA Amplification Kit	No	—	No	No	User design	Fluidigm, United States
HDA	BEST Cassette Type II	Yes	\$10/test	Yes	No	<i>Neisseria gonorrhoeae</i> <i>Chlamydia trachomatis</i> , HSV 1and2*	BioHelix United States
	AmpliVue and Solana	Yes	—	Yes	No	<i>Bordetella pertussis</i> , <i>Trichomonas vaginalis</i> * <i>Clostridium difficile</i> *, Herpes simplex virus type 1 and 2* Varicella-zoster virus, Group B <i>Streptococcus</i> * <i>Bordetella parapertussis</i> , <i>Streptococcus pyogenes</i> * Influenza A, Influenza B respiratory syncytial virus Human metapneumovirus, <i>Streptococcus dysgalactia</i> *	Quidel, United States
TMA	Aptima® assays	Yes	—	Yes	Yes	<i>Chlamydia trachomatis</i> *, <i>Neisseria gonorrhoeae</i> * <i>Mycoplasma genitalium</i> , <i>Trichomonas vaginalis</i> HSV 1 and 2*, Zika Virus, HIV-1*, HBV*, HCV, SARS-CoV-2*	Hologic® Inc., United States

(*) Tests with FDA approval; Abbreviations: MDA—Multiple Displacement Amplification; NEAR—Nicking and Extension Amplification Reaction; HDA—Helicase Dependent Amplification; SMAP2—Smart Amplification Process Version 2.