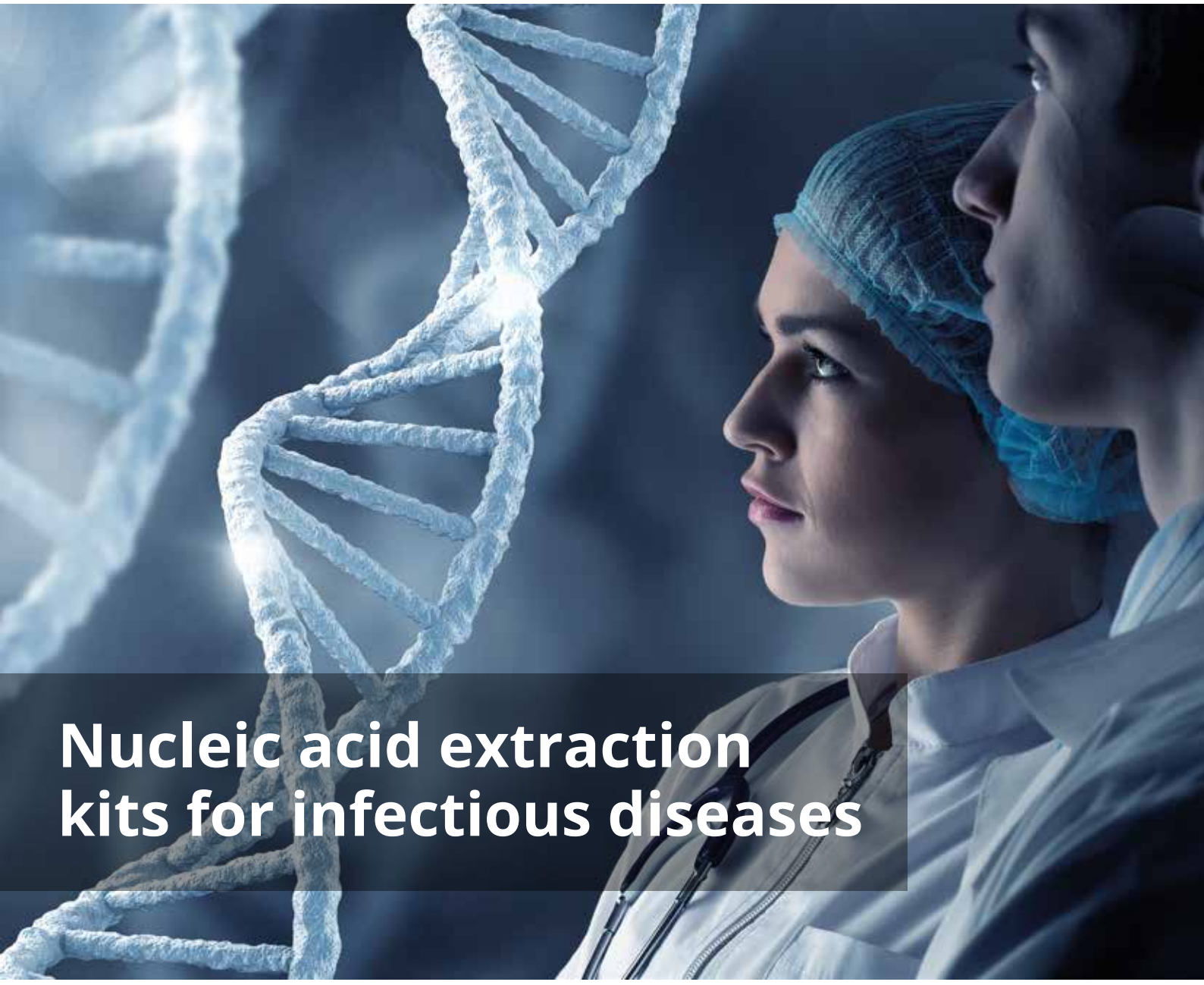

Nucleic acid extraction kits for infectious diseases

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Name	Application	Pathogen type	Targeted nucleic acid	Format	No. of preps	No. of preps/run	CE-IVD	Robotic platform	Processing time	Additional features
Invisorb® Spin Universal Kit (our recommendation)	for simultaneous isolation of human and bacterial DNA as well as viral DNA/ RNA from up to 200 µl of starting materials like blood, plasma, serum, other cell-free body fluids (like urine), rinsed liquid from swabs, dried swab, swab in transport media, sputum and supernatant from stool suspensions	Bacteria and virus	genomic DNA, bacterial DNA, viral DNA, viral RNA	manual	250	-	yes		40 min	covers all target NA and all kinds of samples
RTP® Pathogen Kit	for simultaneous isolation of high quality bacterial and viral DNA as well as viral RNA from up to 200 µl human and animal plasma, serum, other cell-free body fluids (like urine), rinsed liquid from swabs, dried swab, swab in transport media, sputum and supernatant from stool suspensions or tissue biopsy	Bacteria and virus	bacterial DNA, viral DNA, viral RNA	manual	250	-	yes		30 - 50 min (depending on pathogen)	RTP-technology: 60% less pipetting steps by using the ready-to-use Extraction Tube
RTP® DNA/ RNA Virus Mini Kit	for simultaneous purification of viral DNA and RNA from up to 200 µl of human and animal serum and plasma samples, cell culture super-natants other cell-free body fluids (like urine), rinsed liquid from swabs, dried swab, swab in transport media, sputum and supernatant from stool suspensions or tissue biopsy	Virus	viral DNA, viral RNA	manual	250	-	yes		30 - 40 min (depending on virus)	RTP-technology: 60% less pipetting steps by using the ready-to-use Extraction Tube
Invisorb® Spin Virus RNA Mini Kit	for purification of viral RNA from up to 200 µl serum, plasma, and other cell-free body fluids, cell culture supernatants, rinsed liquid from swabs; supernatant from stool suspensions, cells, fresh or frozen tissue samples	Virus	viral RNA	manual	250	-	yes		30 min	
InviMag® Virus DNA/RNA Mini Kit/ KFml w/o plastic	for semi-automated purification of viral DNA and RNA from up to 200 µl serum, plasma, cell culture supernatant and other cell-free body fluids, biopsy samples, swab, sputum and supernatant from stool suspensions with magnetic beads using the KingFisher™ ml (provided without KingFisher™ plastic)	Virus	viral DNA, viral RNA	semi-automated	300	15	yes	KingFisher™ ml	25 min after lysis (lysis time: 10 or 25 min - depending on virus)	RTP-technology: 60% less pipetting steps by using the ready-to-use Ex-traction Tube. The lysis is carried out outside the robot.
InviMag® Pathogen Kit/ KF96	for semi-automated purification of bacterial, viral DNA and viral RNA from up to 200 µl of human & animal serum, plasma samples, CSF, cell-free body fluids, as well as from swabs (rinsed liquid), sputum and supernatant from stool suspensions or tissue biopsies using magnetic beads	Bacteria and virus	bacterial DNA, viral DNA, viral RNA	semi-automated	5 x 96	96	No	KingFisher™ 96 and KingFisher™ Flex	70 min	RTP-technology: 60% less pipetting steps by using the ready-to-use Extraction Tube
InviMag® Universal Kit/ IG (our recommendation)	for fully automated purification of DNA (genomic, bacterial, viral) & viral RNA from 200 µl clinical samples like blood, serum, plasma samples, CSF, cell-free body fluids, as well as from swabs (rinsed liquid), sputum and supernatant from stool suspensions with magnetic beads	Bacteria and virus	genomic DNA, bacterial DNA, viral DNA, viral RNA	fully automated	8 x 12	12	yes	InviGenius® PLUS	70 min	One run file for all kinds of starting materials and target NA, barcode labeled samples
InviMag® Universal Kit/ KF96 (our recommendation)	for semi-automated purification of DNA (genomic, bacterial, viral) and viral RNA from up to 200 µl clinical samples, like blood, serum, plasma samples, CSF, cell-free body fluids, as well as from swabs (rinsed liquid) sputum and supernatant from stool suspensions with magnetic beads	Bacteria and virus	genomic DNA, bacterial DNA, viral DNA, viral RNA	semi-automated	5 x 96	96	yes	KingFisher™ 96 and KingFisher™ Flex	60 min	One run file for all kinds of starting materials and target NA
InviMag® Universal Kit/ KF96 w/o plastic (our recommendation)	for automated purification of DNA (genomic, bacterial and viral) as well as viral RNA from 200 µl clinical samples, like blood, serum, plasma samples, CSF, cell-free body fluids, as well as from swabs (rinsed liquid) sputum and supernatant from stool suspensions with magnetic beads (provided without KingFisher™ plastic)	Bacteria and virus	genomic DNA, bacterial DNA, viral DNA, viral RNA	semi-automated	5 x 96	96	yes	KingFisher™ 96 and KingFisher™ Flex	60 min	One run file for all kinds of starting materials and target NA
InviMag® Universal Kit/ STARlet	for fully automated purification of human / bacterial DNA as well as viral DNA/ RNA from up to 200 µl of different materials like blood (100 µl), plasma, serum, cell-free body fluids (e.g. urine), rinsed liquid from swabs, supernatant from stool suspensions with magnetic beads	Bacteria and virus	genomic DNA, bacterial DNA, viral DNA, viral RNA	fully automated	24 x 96	96	yes	MICROLAB STARlet	180 min	One run file for all kinds of starting materials and target NA (the program uses sample specific different volumes), barcode reading possible
InviMag® Virus RNA Kit/ KFml	for semi-automated purification of viral RNA from up to 200 µl serum, plasma, cell-free body fluids, rinsed liquid from swab, supernatant from stool suspensions or small tissue sample with magnetic beads using the KingFisher™ ml	Virus	viral RNA	semi-automated	300	15	yes	KingFisher™ ml	40 min	

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