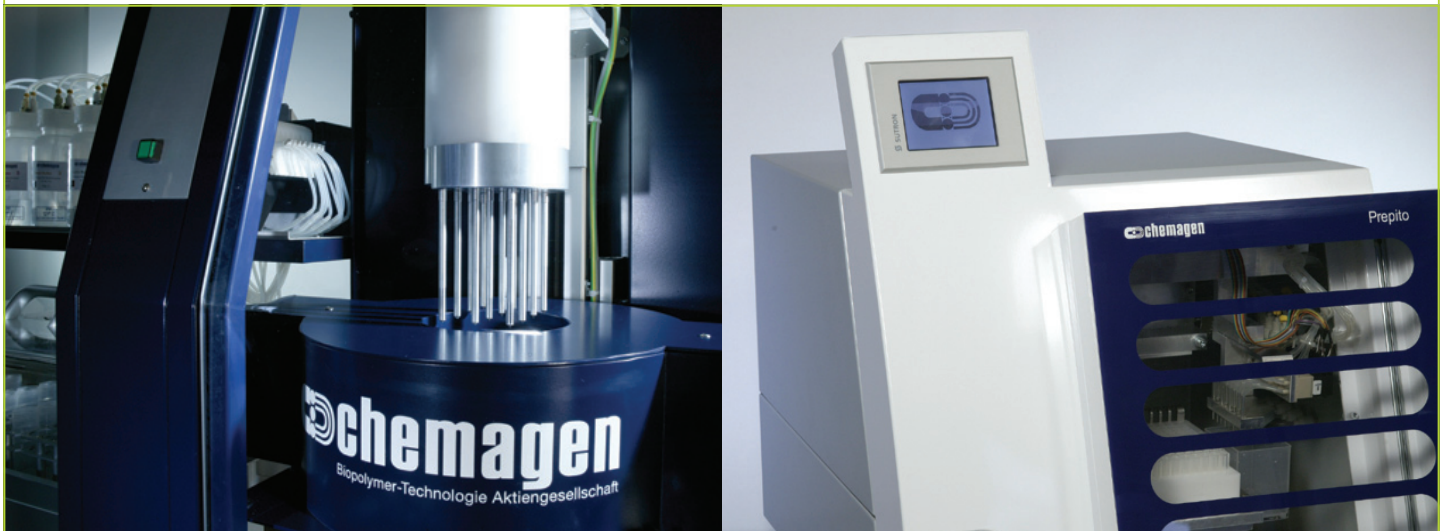


chemagic Automated DNA/RNA Isolation

Preparation of Viral and other Pathogen Nucleic Acids
from up to 10 ml Sample Volume



Routinely detected pathogens:

HAV HBV HCV HGV HIV pB19 CMV VZV HPV HSV (I + II) EBV

Noroviruses Influenza Adenoviruses

Chlamydia MRSA FSME EHEC Legionella Listeria Borrelia N. Gonorrhoeae

Ureoplasma Mycoplasma

Automation realized by the

chemagic Magnetic Separation Module I (chemagic MSM I)

for sample volumes from 200 µl - 10 ml

and **chemagic Prepito** for sample volumes of 200 µl

	chemagic MSM I	chemagic Prepito
high throughput (up to 2,000 samples/day)	●	
large sample volumes (up to 10 ml)	●	
96 samples in parallel	●	
sample tracking	●	●
barcode reading	●	●
small benchtop system		●
1 - 12 samples in parallel (200 µl)		●

it's chemagic!

Detect Viruses at less than 10 I.U./ml

Automated nucleic acid isolation using the **chemagic Prepito** or the **chemagic Magnetic Separation Module I** in combination with the magnetic particle based (M-PVA) chemagic Kits provides unique platforms of sample preparation for downstream testing. For virus testing the automation applied with the chemagic MSM I allows direct handling of up to 10 ml plasma or serum samples without any intermediary centrifugation or alternative concentration step. DNA and RNA viruses or nucleic acids from other pathogens are prepared simultaneously in one extraction.

chemagic Viral DNA/RNA Kits Available for Automated Viral/Pathogen NA Isolation

sample volumes	200 µl*	200 µl**	0.8 - 1.2 ml**	2.4 ml**	4.8 ml**	9.6 ml**
max. samples/batch	12	96	12	12	12	12
extraction time/batch	40 min	40 min	60 min	60 min	60 min	60 min

* designed for the use with the chemagic Prepito

** designed for the use with the chemagic MSM I

it's chemagic!

Sensitivity Data

	HAV ¹	HBV ²	HCV ²	HIV ²	Parvo B19 ³
Detection limits [I.U./ml Pool]	2.6	0.7	5.0	33	4.6

The chemagic Viral DNA/RNA Kit special in combination with the chemagic MSM I was used for the automated isolation of nucleic acids from 9.6 ml minipool plasma samples (96 x 100 µl each). The detection of viral NA was achieved by different inhouse and commercial TaqMan/Lightcycler assays. Data kindly provided by ¹DRK-Blutspendedienst West gGmbH, Zentrallabor Hagen; ²DRK-Blutspendedienst Sachsen gGmbH, Institut für Transfusionsmedizin, Plauen; ³DRK-Blutspendedienst Hessen gGmbH, Institut für Transfusionsmedizin, Frankfurt