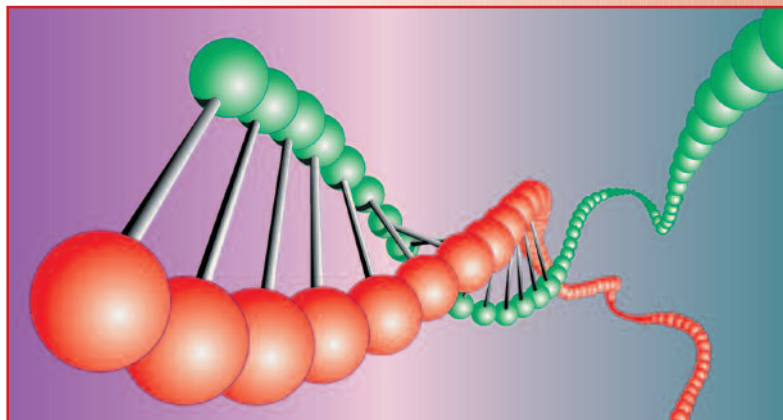


Molecular Schemes



These schemes are suitable for laboratories using molecular methods for the detection of microorganisms.

Molecular schemes are qualitative and/or quantitative and where relevant include genotyping.



Scheme	Examinations	Sample format	No. of distributions per year	No. of samples per distribution	Scoring
CMV DNA quantification	CMV DNA quantification	Freeze dried human plasma	3	2	Reported log difference in viral load between the specimen pair
EBV DNA quantification	EBV DNA quantification	Freeze dried human plasma	3	2	Reported log difference in viral load between the specimen pair
HBV DNA quantification	HBV DNA quantification	Freeze dried human serum	2	4	Reported log difference in viral load between the specimen pairs
HCV RNA detection	HCV RNA qualitative detection, quantification and genotype detection	Freeze dried human plasma	2	2	Based separately on the relevant markers reported: Qualitative: presence or absence Quantitative detection: Reported log difference in viral load between the specimen pair Genotyping: correct identification
HIV-1 RNA quantification	HIV-1 RNA quantification	Freeze dried human plasma	3	2	Reported log difference in viral load between the specimen pair
Molecular detection and resistance testing of Mycobacteria	Direct and post culture detection of Mycobacteria and rifampicin susceptibility testing Genotyping results are also collated and presented for in-house comparisons	Freeze dried simulated sputum material	3	2	Presence or absence of Mycobacteria and rifampicin resistance
Molecular detection of Chlamydia trachomatis	Determining the presence of <i>Chlamydia trachomatis</i>	Simulated endocervical material	3	4	Presence or absence of <i>Chlamydia trachomatis</i>
Molecular detection of HPV	Determining the presence of HPV high risk genotypes in endocervical specimens and identification of genotypes present	Cervical specimens in liquid based cytology fluid	3	4	Qualitative detection of HPV high risk genotypes
Molecular detection of viruses in CSF	Determining the presence of HSV-1 DNA, HSV-2 DNA, VZV DNA and Enteroviruses RNA	Simulated cerebrospinal fluid	2	6	Qualitative detection of HSV-1 DNA, HSV-2 DNA, VZV DNA and Enteroviruses RNA
MRSA screening	Determining the presence of MRSA by culture and/or molecular methods	Simulated freeze dried specimen	6	2	Separate score applied to the different methods (culture/molecular) based on presence or absence