

(digital PCR) OR (dPCR)

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36099465	Molecular genetic tests GeneXpert MTB/RIF and Xpert MTB/RIF (Ultra) in the diagnosis of tuberculosis (review of literature)	E A Borodulina V V Piskun M V Uraksina A T Shubina	In recent tuberculosis years is the main cause of morbidity and death among patients with HIV infection. Modern diagnostics of tuberculosis includes mass screening of the population: digital fluorography from the age of 15 and immunodiagnostics in children and adolescents. Detection of mycobacterium tuberculosis by microscopy occurs in forms of tuberculosis with the decay of lung tissue. Such patients represent a high epidemic risk. To improve the verification of diagnosis in the practice of a...	pmid:36099465 doi:10.51620/0869-2084-2022-67-9-544-549	Tue, 13 Sep 2022 06:00:00 -0400
2	pubmed:36100140	Efficiency and sensitivity optimization of a protocol to quantify indoor airborne SARS-CoV-2 levels	Truyols-Vives Joan Stiliyanov-Atanasov Kristiyan Sala-Llinàs Ernest Toledo-Pons Nuria G Baldoví Herme Mercader-Barceló Josep	CONCLUSION: Optimizing collection efficiency and detection sensitivity for quantification od SARS-CoV-2 RNA in indoor air is important to improve our understanding of the microbiological safety of indoor air.	pmid:36100140 doi:10.1016/j.jhin.2022.08.011	Tue, 13 Sep 2022 06:00:00 -0400
3	pubmed:36102682	Development of an IoT-integrated multiplexed digital PCR system for quantitative detection of infectious diseases	Ji Wook Choi Won Ho Seo Young Suh Lee So Young Kim Bong Suk Kim Kyoung G Lee Seok Jae Lee Bong Geun Chung	For rapid detection of the COVID-19 infection, the digital polymerase chain reaction (dPCR) with higher sensitivity and specificity has been presented as a promising method of point-of-care testing (POCT). Unlike the conventional real-time PCR (qPCR), the dPCR system allows absolute quantification of the target DNA without a calibration curve. Although a number of dPCR systems have previously been reported, most of these previous assays lack multiplexing capabilities. As different variants of...	pmid:36102682 doi:10.1039/d2lc00726f	Wed, 14 Sep 2022 06:00:00 -0400