

(digital PCR) OR (dPCR)

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36117180	In utero particulate matter exposure in association with newborn mitochondrial ND4L_{10550A>G} heteroplasmy and its role in overweight during early childhood	Charlotte Cosemans Congrong Wang Rossella Alfano Dries S Martens Hanne Sleurs Yinthe Dockx Kenneth Vanbrabant Bram G Janssen Charlotte Vanpoucke Wouter Lefebvre Karen Smeets Tim S Nawrot Michelle Plusquin	CONCLUSIONS: Cord blood MT-ND4L(10550A>G) heteroplasmy was linked with childhood overweight. In addition, in utero exposure to PM(2.5) during the first trimester of pregnancy was associated with cord blood MT-ND4L(10550A>G) heteroplasmy in newborns. Our analysis did not reveal any mediation of cord blood MT-ND4L(10550A>G) heteroplasmy in the association between PM(2.5) exposure and childhood overweight.	pmid:36117180 doi:10.1186/s12940-022-00899-z	Sun, 18 Sep 2022 06:00:00 -0400
2	pubmed:36118159	Improving correlation of wastewater SARS-CoV-2 gene copy numbers with COVID-19 public health cases using readily available biomarkers	Justin M Hutchison Zhengxi Li Chi-Ning Chang Yasawantha Hiripitiyage Megan Wittman Belinda S M Sturm	The COVID-19 pandemic has highlighted the potential role that wastewater-based epidemiology can play in assessing aggregate community health. However, efforts to translate SARS-CoV-2 gene copy numbers obtained from wastewater samples into meaningful community health indicators are nascent. In this study, SARS-CoV-2 nucleocapsid (N) genes (N1 and N2) were quantified weekly using reverse transcriptase droplet digital PCR from two municipal wastewater treatment plants for seven months. Four...	pmid:36118159 pmc:PMC9480869 doi:10.1093/femsmc/xtac010	Mon, 19 Sep 2022 06:00:00 -0400
3	pubmed:36118606	Immunological and bacteriological quality of fresh cow colostrum and passive immunity transfer in selected dairy farms in Fars, Iran	I Asgari A Rasooli M Mohebbi-Fani S S Shekarforoush S Hosseinzadeh A Omid N Najafi Tire Shabankare	CONCLUSION: Considering all colostrum quality indicators comprehensively, only 37.3% of the studied samples met the industry standard. A large number of calves were at risk of receiving poor quality colostrum, especially in terms of microbial contamination. Further researches are needed to evaluate the colostrum management and the effect of bacterial contamination of colostrum on the health of neonate calves in this region.	pmid:36118606 pmc:PMC9441159 doi:10.22099/IJVR.2021.41453.6022	Mon, 19 Sep 2022 06:00:00 -0400
4	pubmed:36119050	Impact of hypertension on long-term humoral and cellular response to SARS-CoV-2 infection	Chang Chu Anne Schönbrunn Kristin Klemm Volker von Baehr Bernhard K Krämer Saban Elitok Berthold Hoher	It was shown that hypertension delays SARS CoV-2 viral clearance and exacerbates airway hyperinflammation in the respiratory tract. However, it is unknown whether hypertension determines the long-term cellular and humoral response to SARS Cov2. Health care workers (HCWs) after an outbreak of SARS Cov-2 infections were analyzed. Infected HCWs were not vaccinated before blood collection. 5-14 months (median 7 months) after detection of SARS CoV-2 infection, blood was taken to analyze humoral...	pmid:36119050 pmc:PMC9478933 doi:10.3389/fimmu.2022.915001	Mon, 19 Sep 2022 06:00:00 -0400