





Supplemental Figure 1 (a – d). pH of shelf-life samples compared by (a) pore sizes and (b) milk types, and particle size comparing (c) skim milk and (d) whole milk microfiltered with a 0.8 or 1.2 μm filtration membrane followed by (i) pasteurization at 75°C for 20 s or (ii) addition of heat-treated cream (85°C for 20s) and pasteurized at 75°C for 20 s; then (i) skim milk and (ii) whole milk were stored at 3, 6.5, or 10°C for up to 63 days. For plots a and b, the bar within each box represents the median. Upper and lower ends of each box represent the 25th and 75th percentiles. The upper and lower whiskers extend to the highest and lowest values, respectively, within 1.5 multiplied by the interquartile range (IQR). The IQR is defined as the difference between the 25th and 75th percentiles. Individual points are outside 1.5 multiplied by the IQR. For plots c and d, points represent mean values, while whiskers represent the minimum and maximum values. The function `geom_smooth` from `ggplot2` was used to fit the points with a regression line using the locally estimated scatterplot smoothing (LOESS) method.