



PDX-SIB User Guide Addendum

Interpretation of results

The User Guide underscores the fact that all samples must be **Yellow** to be deemed presumptively positive. All other colors are deemed negative for the *Salmonella spp.* Figures 1 and 2 of this addendum provide some visual examples of the appearance of negative and presumptive positive samples. It is important to note that negative samples may generate a range of colors from purple to red-gray in appearance. This is because the culture which fails to grow and actively ferment the substrate in SIB may still continue to weakly produce acidic metabolic by-products until the culture fails to grow.

Figure 1 depicts the culture of pure reference strains of *Salmonella enterica*, and non-*Salmonella* species. The yellow samples are cultures of *Salmonella enterica* serovars Anatum and Abaetetuba, and the dark sample is an *E. coli* strain and therefore negative for *Salmonella spp.*

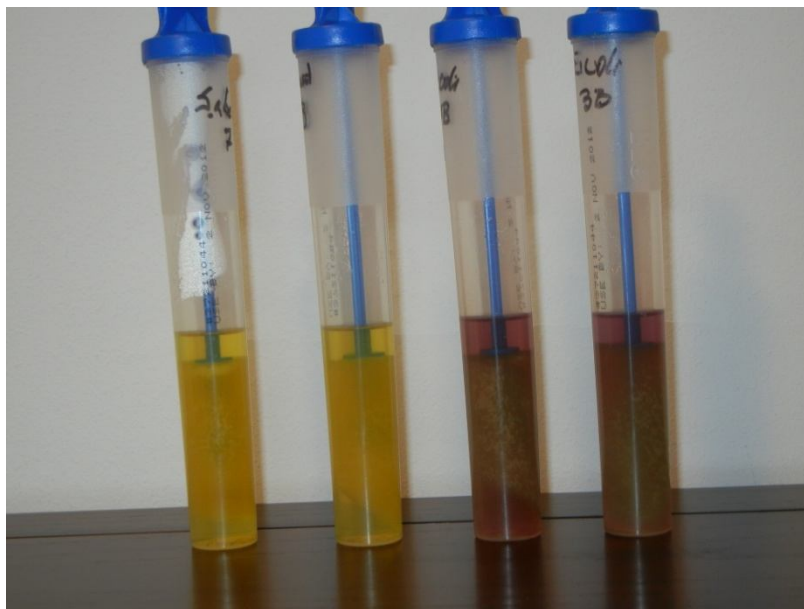


Figure 2 depicts authentic environmental samples obtained from a food processing facility. The only presumptively positive sample is on the far left, #13. Note the range of color densities in the numerous negative samples.

