



S29 Appendix. Receiver operating characteristic (ROC) curves for quantitative devices.

ROC curves for the (A) PharmaChk microfluidic system, (B) C-Vue liquid chromatograph, and (C) QDa mass spectrometer for all simulated samples containing 50%, 80% and 100% of the correct API. Each point in the plot corresponds to the threshold concentration that would determine a pass or fail result.