

# Testing for Pork Contamination Reaction Diagram

casein (milk protein)

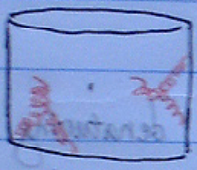
anti-pig IgG w/ HRP

TMB oxidized (clear)

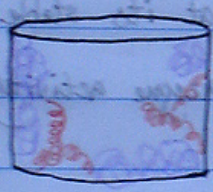
TMB reduced (blue)

TMB<sup>+</sup> TMB acidified

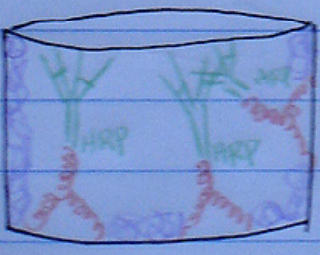
H<sub>2</sub>O<sub>2</sub> Hydrogen Peroxide



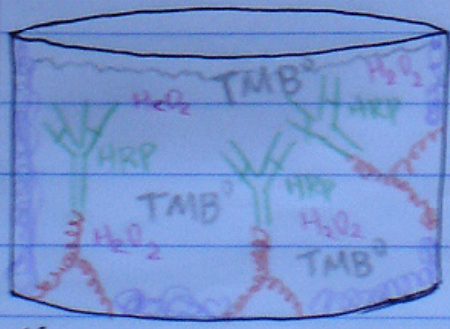
Sample w/ pork tissue in the well,  
pig IgG sticks onto the wall



casein blocks the wall of the well,  
so the antibody doesn't randomly stick on  
the plastic walls (prevent false positives)



anti-pig IgG with HRP  
binds to pig IgG, it can't bind to else  
where because casein blocks other locations



TMB indicator, which contains H<sub>2</sub>O<sub>2</sub>,  
is added. The indicator is usually  
oxidized (clear)

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