Figure 2.8. Control Assay for β-galactosidase Assay. Ovaries from a non-transformed strain (yw$^{RD}$) were used as a negative control that showed a near zero-absorbance at 574 nm and there is no significant change over the time period. In contrast, ovarian extracts from the ovo promoter-lacZ transformant strain ovo3U21 and ovo4B8 (Oliver et al., 1994) which were used as a positive controls showed a linear increase in A$_{574}$ during the same period. Even, ovo3U21 showed about two fold faster than ovo4B8. It may be due to size of the construct or due to position effect of P[ovo:LacZ] construct. Moreover, the slopes were proportional to the amount of ovo3U21 or ovo4B8 extract added.