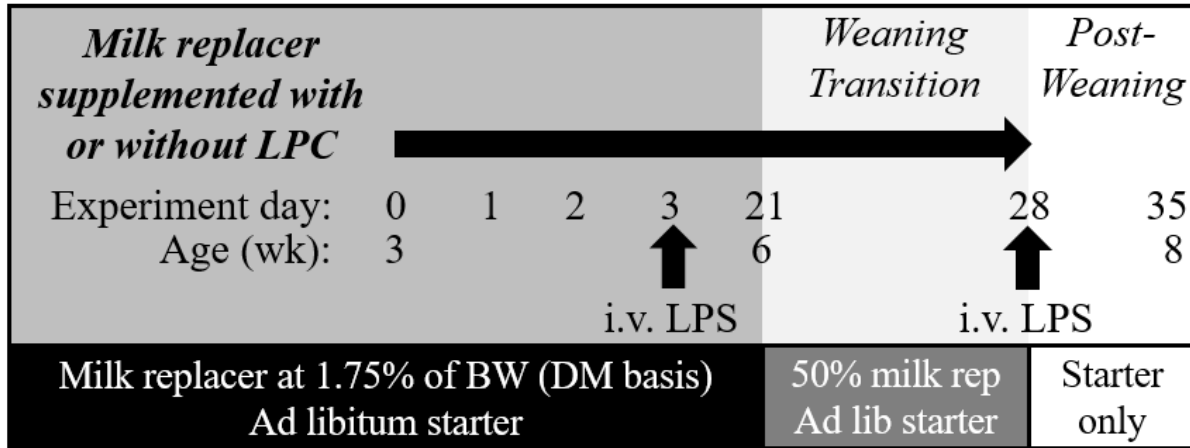


Figure 2: Experimental plan.



Following a 2-wk acclimation period, twenty Holstein calves will be blocked by birth weight and average daily gain and randomly assigned to either control (unsupplemented; n = 10) or supplemented (275 mg of lysolecithin enriched with LPC/kg of BW/d; n = 10) diets. Calves will be fed milk replacer on a DM basis at 1.75% of body weight (BW) provided as two equal meals per day. Two endotoxin (lipopolysaccharide [LPS]) challenges will be administered with 2.5 µg/kg of *E. coli* O111:B4 LPS on d 3 of the experiment (“early” exposure”) and d 28 (“late” exposure). Calves will be weaned starting at d 42 of age by restricting milk replacer to 0.875% of BW daily (dry matter basis; half of prior intake) fed only in the evening until d 49 of age at which point the study will conclude.