Kleinschmidt Technique
(Lang, ’71; Davis, et al. ’71; and Kay, ’76 Modification…McCaffery fusion ’1986)

1. DNA/RNA is prepared to a concentration of 0.5-1.0 ug/ml in 0.25-0.5M
ammonium acetate buffer containing ~20-30ug/ml cytochrome C; and 4-
16% formamide (or formaldehyde).

2. 10ul drops are paced onto parafilm and allowed to incubate for 1 to 15
min. (to de determined empirically)

3. Formvar/parlodion grids are touched to the drop with anti-capillary
forceps; washed/dipped briefly through a series of 0.25M NH3-acetate
buffer washes; washed through 4-6 puddles of ddH2O; dipped in 50-75%
ETOH; and the grids are then allowed to dry.

4. A.) Grids are rotary/bi-ditrectionally shadowed with platinum (or
platinum-palladium, 80:20) at an angle of 7-10 degrees; or slope of 1:8.

    OR

    B.) Grids may be negatively stained in 2% aqueous uranyl acetate, pH
~4.5;

    OR

    Both A&B above.