



Figure 1. Generalized flowchart of the CVC procedure illustrating the basic principles. The "standard" procedure and the variations are utilizations based on this concept.

without the expenditures of time, equipment, and materials usually needed for full scale purification procedures. The only extraordinary equipment required for the CVC method is a rather inexpensive microcentrifuge. A generic flowchart for CVC is presented in Figure 1, while the flowchart in Figure 2 outlines the standard procedure.

Despite the advances in electron microscopic techniques in recent years, the techniques concerned with the negative staining of virions have undergone little improvement since they were described by Pease in 1964 (24). Suggested improvements can be found in the literature, but they have seldom been actually incorporated into current negative staining techniques. For a number of years we have sought to combine techniques from a variety of sources into useful integrated regimens. Some of these procedures are described in Appendix 2.

The other appendices, while not directly concerned with negative staining, are supportive of it in some way. Published sources for the techniques described in the appendices are cited when known, but