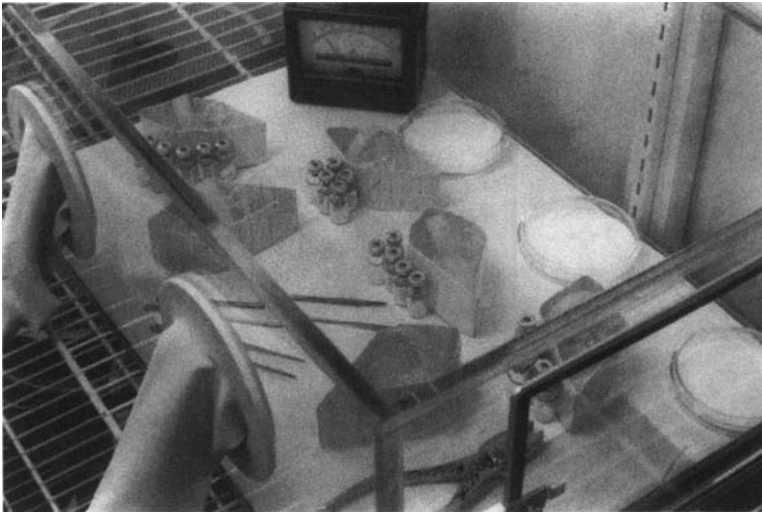


**FIGURE 3** Desiccator in desiccators guard and sulfuric acid scrubbers to remove water from air used to release vacuum in desiccators in gravimetric moisture test.



**FIGURE 4** Dry box with sample vials, weighing bottles, hygrometer, and Petri dishes filled with anhydrous phosphorus pentoxide for sample preparation for gravimetric moisture test.

Sample is transferred from the vials to the preweighed weighing bottles. The weighing bottles plus sample are capped, removed from the dry box, weighed on the five-place Mettler balance, and placed in a desiccator containing anhydrous phosphorus pentoxide. The weighing bottle tops are opened and the desiccator is closed. A vacuum of less than 1 mmHg measured by the Pirani gauge is drawn on the desiccator by the vacuum pump. The desiccator is sealed