The basic ACTH stimulation test for Addison's disease:

Baseline plasma ACTH level and serum cortisol

One ampule of Cortrosyn (ACTH) IV push

1 hour sample of serum cortisol. If warranted by clinical situation, one can add serum aldosterone to baseline and 1 hour collections.

If the test is for secondary adrenal insufficiency, a low dose of Cortrosyn is used (the 250 mcg ampule is diluted with sterile saline) to give generally about 5 mcg.