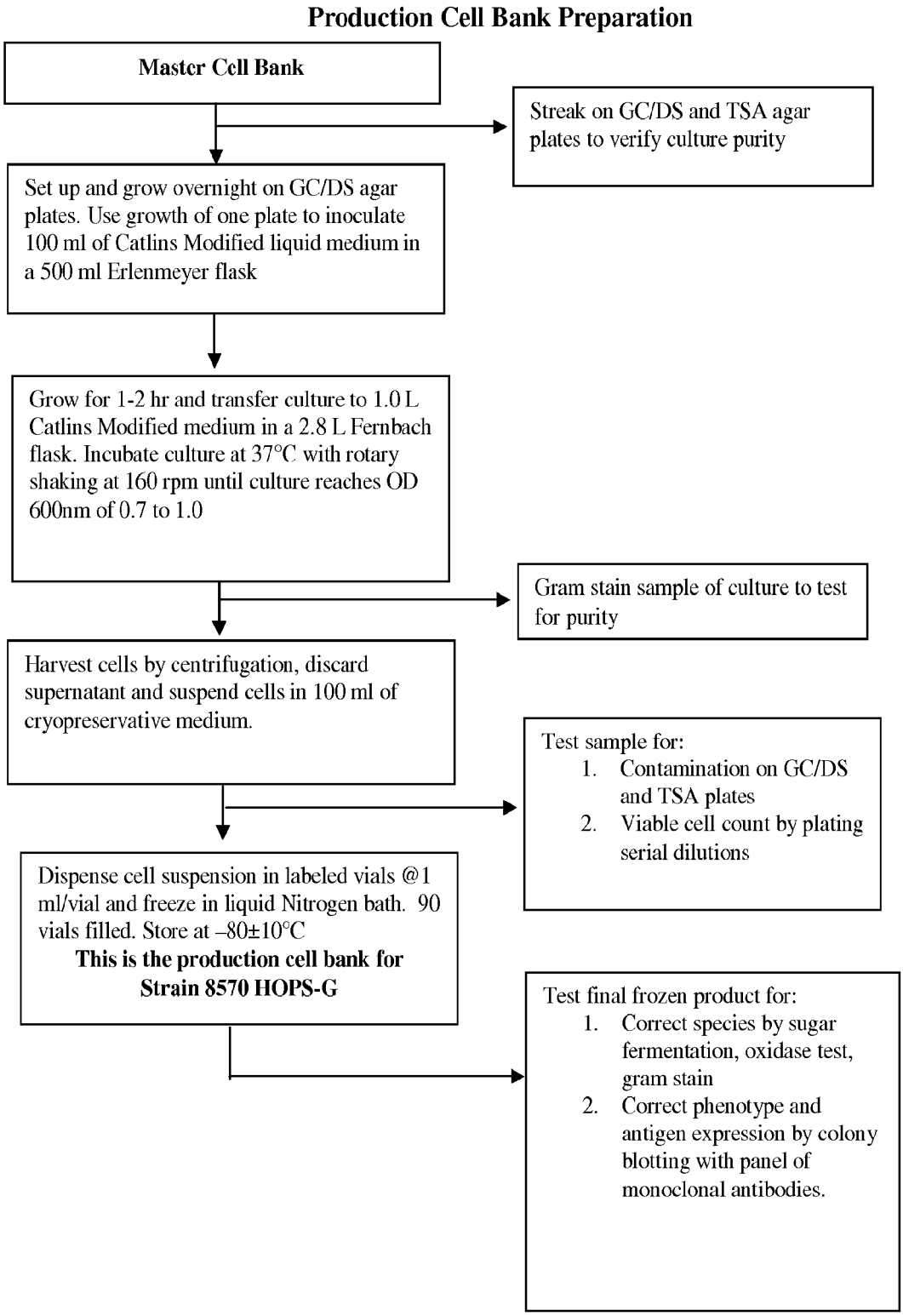
FIGURE 2


Production Cell Bank Preparation
Master Cell Bank
Streak on GC/DS and TSA agar plates to verify culture purity
Set up and grow overnight on GC/DS agar plates. Use growth of one plate to inoculate 100 ml of Catlins Modified liquid medium in a 500 ml Erlenmeyer flask
Grow for 1-2 hr and transfer culture to 1.0 L Catlins Modified medium in a 2.8 L Fernbach flask. Incubate culture at 37°C with rotary shaking at 160 rpm until culture reaches OD 600nm of 0.7 to 1.0
Gram stain sample of culture to test for purity
Harvest cells by centrifugation, discard supernatant and suspend cells in 100 ml of cryopreservative medium.
Test sample for:
1. Contamination on GC/DS and TSA plates
2. Viable cell count by plating serial dilutions
Dispense cell suspension in labeled vials @1 ml/vial and freeze in liquid Nitrogen bath. 90 vials filled. Store at –80±10°C
This is the production cell bank for Strain 8570 HOPS-G
Test final frozen product for:
1. Correct species by sugar fermentation, oxidase test, gram stain
2. Correct phenotype and antigen expression by colony blotting with panel of monoclonal antibodies.