ANNEXURE

Annexure I
Selenium standard solution: Stock solution: (1.0mg/ml). 2.3mg of dried sodium selenite was dissolved in 0.1ml of HClO₄ and final volume was made to 1.0ml with distilled water. This solution was diluted to 0.1μg Se/ml as working standard.

Annexure II
Chromogenic solution for citrulline assay was prepared by adding its components as follow:
Reagent 1: Acid-ferric solution: To 55ml of distilled water, added 25ml of concentrated H₂SO₄ and 20ml concentrated phosphoric acid. Cooled to room temperature and FeCl₃(25mg/100ml) was dissolved in the above solution.
Reagent 2: Diacetyl monoxime solution: 250mg diacetyl monoxime was added to 50ml of distilled water and stored in a brown bottle.
Reagent 3: Chromogenic solution: Just before use, 5mg of thiosemicarbazide was added to 50ml of Reagent 2, followed by 100ml of Reagent 1.

Annexure III
Glycerol jelly: Kaiser's glycerol jelly was prepared as follows: 8g gelatin was allowed to soak in 52ml water for 1-2hr and 50ml glycerol was added. It was warmed for 10-15min upto 70°C and stirred till homogeneous and was stored in an airtight container in refrigerator.