| Pre-treatments | Conditions |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| Control (Untreated) | No treatment given |
| Autoclaved | Autoclaved (121°C ± 0.5; 15 minutes) |
| Boil | Soaked in boiled water (100°C \pm 0.5) for 4 hours at room temperature autoclaved (121°C \pm 0.5; 15 minutes) |
| 0.5% (v/v) HNO ₃ | Soaked in 0.5% (v/v) HNO $_3$ for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 1.0% (v/v) HNO ₃ | Soaked in 1.0% (v/v) HNO $_3$ for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 2.0% (v/v) HNO ₃ | Soaked in 2.0% (v/v) HNO $_3$ for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 5.0% (v/v) HNO ₃ | Soaked in 5.0% (v/v) HNO $_3$ for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 0.5% (w/v) NaOH | Soaked in 0.5% (w/v) NaOH for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 1.0% (w/v) NaOH | Soaked in 1.0% (w/v) NaOH for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 2.0% (w/v) NaOH | Soaked in 2.0% (w/v) NaOH for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |
| 5.0% (w/v) NaOH | Soaked in 5.0% (w/v) NaOH for 4 hours at room temperature and autoc (121°C \pm 0.5;15 minutes) |