Restriction endonucleases that do not require BSA for optimal activity are not adversely affected if BSA is present in the reaction mixture.

1X β-Agarase I Reaction Buffer:
10 mM Bis Tris- HCl
1 mM EDTA
pH 6.5 @ 25°C
Supplied with enzyme as a 10X concentrated stock

Quality Control Assays
16-Hour Incubation: A 50 µl reaction containing this reaction buffer at a 1X concentration and 1 µg of HaeIII digested φX174 RF I DNA incubated for 16 hours resulted in no detectable non-specific nuclease degradation.

Endonuclease Activity: Incubation of this reaction buffer at a 1X concentration with 1 µg φX174 RF I DNA for 4 hours at 37°C in 50 µl reactions resulted in less than 5% conversion to RF II.