revised: 24-09-2013
printed: 24-09-2013

GRS Genomic DNA Kit – Blood & Cultured Cells - #GK02.0100

(FOR RESEARCH ONLY)

SUGGESTED PROTOCOL FOR DNA PURIFICATION FROM FUNGUS

1) Harvest up to $5x10^7$ fungus cells by centrifugation for **10 minutes** at **5.000g**.
2) Discard the supernatant, and resuspend the pellet in **600µl** of **Sorbitol Buffer**[1]
3) Add 200U of **Lyticase** or **Zymolyase**. Incubate for **30 minutes** at **30ºC**.
4) Harvest spheroplast by centrifugation for 10 minutes at 2.000g. Remove the supernatant and resuspend pellet in **200µl of Buffer BC2**. Incubate at room temperature for 5 minutes. Proceed with the lysis step of the cultured cell protocol (page 6).

[1]Sorbitol Buffer = 1,2M sorbitol; 10mM $CaCl_2$; 0.1M Tris-HCl pH 7,5; 35mM β-mercaptoethanol