

User-Developed Protocol

Extraction of fungal DNA from tissue using the MycXtra[®] Fungal DNA kit

Procedure

1. Cut each tissue sample into small pieces.
2. Digest with Proteinase K 200 µg/mL (Roche) in a buffer containing TRIS, EDTA, NaCl and 0.2% SDS for 45 - 60 min at 65°C in a 50 mL reaction tube in a total volume of 5 mL, with regular vortexing.
3. Centrifuge the samples for 10 min at 2500 x g. Decant the supernatant and discard.
4. Add recombinant lyticase 1U/100 µL (Sigma) in 500 µL buffer containing EDTA, TRIS and β-Mercaptoethanol (0.2%) to each pellet and incubate for 1.5 hours at 37°C with regular vortexing.
5. Centrifuge the samples for 10 min at 2500 x g. Discard the supernatant and retain the cell pellet.
6. Using the MycXtra[®] Fungal DNA Extraction kit, add the cell pellet at step 3 of the procedure and continue to step 4 etc. as for BAL.

Reference

Taken from the methods section of a poster "Clinical Performance of FXG[™]: RESP (Asp +) assay for *Aspergillus* on lung and other tissue samples" published by C Lass-Flörl *et al* in conjunction with Myconostica at ICAAC 2008

UDP 1: Extraction of fungal DNA from tissue using the MycXtra[™] Fungal DNA Extraction kit

This protocol has been generated independently of Myconostica and is supplied for information only. The use of the protocol has not been validated by Myconostica, and users are responsible for their use. Myconostica has not established the diagnostic validity of our products when used in conjunction with this protocol.