



Application Note

RIDASCREEN®FAST Aflatoxin (Art. No. R5202)

Nuts (hazelnuts, almonds, walnuts, cashew nuts, peanuts, pistachios, macadamia nuts)

Reagents

- methanol (70 %); (prepare 70 % methanol solution by mixing 70 mL methanol (100 %) with 30 mL demineralised water)
- NaCl

Equipment

- Filter paper: Whatman No. 1

Test Procedure

- 1 weigh 5 g of ground sample into a 50 mL vial
- 2 add 2.5 g NaCl to the ground sample
- 3 add 25 mL of 70 % (v/v) methanol
- 4 extract by mixing (e.g. end over end rotation) 10 min at room temperature
- 5 centrifuge: 15 min at 3000 g at room temperature
- 6 remove the upper fat layer (e.g.: by aspirating the fat layer with a pasteur pipette by vacuum)
- 7 filter the extract through a Whatman paper filter No. 1, if needed for clarifying the remaining supernatant
- 8 dilute the clear supernatant 1:2 (1 + 1) with demineralised water, mix well
- 9 use 50 µl of the diluted sample per well in the test