



Enumeration of yeasts & moulds: ISO 21527 Colony count technique

Part 1

Products with water activity
(aw) > 0.95

Plating on DRBC [Dichloran-Rose
Bengal Chloramphenicol agar]

&

incubate @ 25 ± 1°C
for 5 days

Part 2

Products with water activity
(aw) ≤ 0.95

Plating on DG18
&
incubate @ 25 ± 1°C
for 7 days

Sample preparation

Plating & Incubation

Confirmation

*Biochemical test
*Staining
*PCR

Calculation

$$\text{TPC} = \frac{\Sigma C}{V(n1 + 0.1n2) \times d} \text{ CFU/g}$$

*Yeasts: Shiny or dry colony with regular outline

*Moulds: Flat & fluffy spreading irregular colony with/without colour