



Enumeration of β -glucuronidase positive *Escherichia coli* by colony count method: ISO 16649-2

01



25 g Sample + 225 ml
Phosphate buffer/
Buffered peptone
water (BPW)
**Macerate in
Stomacher
blender**

02



Transfer 1 ml of the
sample to plate and add
15 ml precooled (44 °C
to 47 °C) TBX media
& mix carefully

03



Incubate the
plates in inverted
position @ 44 °C
for 18-24 h

04

Count typical
blue colonies and



05

Calculation

$$N = \frac{\sum C}{V(n1 + 0.1n2) \times d}$$

Express in CFU/g

NB : For stressed cells, initial incubation shall be given at 37°C for 4h followed with 44 °C for 18-24 h
Count up to 150 colony (If only typical colony) & less than 300 colony (If both typical and atypical colony)