Dilution calculation worksheet

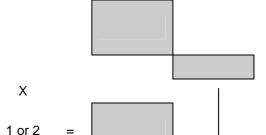
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Step 1 - Level of Contamination

Result as reported (record the maximum possible level if the lab report a range)

Unit of measure reported by lab

Factor (insert lab advised factor, else 1 for beta-lactam, 2 for others or unknown)



X

Step 2 – Volume Contaminated¹

Volume Contaminated (ie volume in farm bulk milk tank)



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Step 3 - Diluted Volume

Minimum Silo content during processing

Blend Factor (default = 2)



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Final Residue Concentration²

¹Where multiple consignments containing residues went into the silo, complete steps 1 and 2 for each and add the sub-totals from step 2 together, then proceed with step 3.

²If: - the Final Residue Concentration exceeds the initial level of contamination; and the residue was a betalactam (penicillin); and there was only 1 consignment affected in step 1then apply the initial concentration as the final concentration.

Working example

8,000 litres milk collected, pumped into a silo that contained between 140,000 and 180,000 litres with no agitation.

Residue identified as non beta-lactam (not penase sensitive), lab estimate concentration as being in the range 0.010 - 0.030 iu/ml penicillin equivalent.

