

METHOD SUMMARY – QWI-FM0035



Method Title	Settle Plate Analysis - APHA		
Document number	QWI-FM0035	Date Issued	24 th January 2020

Method External References	APHA 21st Ed Pharmaceutical Microbiology – “Hugo & Russell 4th Ed 1987 AS5013.4.2 Exposed Plate Method		
Matrix	As listed on NATA scope		
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input checked="" type="checkbox"/> Food Microbiology <input type="checkbox"/> Pharmaceutical Microbiology <input type="checkbox"/> Food Chemistry		
Accreditation Status	<input checked="" type="checkbox"/> NATA <input type="checkbox"/> NON-NATA <input type="checkbox"/> N/A		
Analysis technique	<input type="checkbox"/> HPLC <input type="checkbox"/> GC <input type="checkbox"/> Wet Chemistry <input type="checkbox"/> Physical <input type="checkbox"/> Gravimetric <input checked="" type="checkbox"/> Qualitative <input type="checkbox"/> Pour Plate <input type="checkbox"/> Spread Plate <input type="checkbox"/> MPN <input type="checkbox"/> Filtration <input type="checkbox"/> Petrifilm <input type="checkbox"/> EHS <input type="checkbox"/> ELISA <input type="checkbox"/> VIDAS UP <input type="checkbox"/> VIDAS <input type="checkbox"/> Other (please specify): _____		
Method Scope	This document describes the procedure involved in Environmental Monitoring including the collection of sample, transport and processing of settle plates for biological examination. This method applies to all ALS Team Members trained to perform settle plate analysis; either sampling, testing or reporting.		
Method Principle	This method provides an estimate of the possible contamination of a product from the air in a designated area. The information collected will provide data regarding areas within a facility to determine those which have an excessive microbial load at the time of sampling. Air quality is determined by using settle plate technique for a period of time, which depends upon the quality of the air. The settle plates are sampled at specific sites and forwarded to the microbiological laboratory under defined transport conditions. Then the settle plates are incubated according to the target organism requirement. It is recommended that floor plans are documented when sampling a site for environmental monitoring.		
Reporting Unit	cfu/plate		
LOR/LOQ	<1 cfu/plate		

Minimum amount of sample required for analysis	N/A	Turnaround time	5 days
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Author:	Document Controller	Date:	4 th February 2020
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