Table S1 *– Commercially available instruments and packages for ATP sensing*

Supplier	Assay format	Measurement taken	Limit of detection	Mode of detection
3M™	Surface swabs/portable	Total ATP levels measured	10^{-15} M of ATP	3M™ Clean-Trace™ NG Luminometer – a hand-held and portable device
	96 well plate	Microbial ATP in Ultra-high temperature (UHT) packaged milk	10^{-18} M of ATP	3M™ Microbial Luminescence System (MLS II) – consists of a built-in photomultiplier tube and injector.
Hygiena™	Surface swabs/portable	Both total ATP levels and microbial ATP levels can be detected depending on the swab used	10^{-16} M of ATP	Hygiena™ EnSURE™ Touch – smart, hand-held, portable instrument with access to WiFi and Cloud storage
Neogen™	Surface swabs	Total ATP levels measured from surfaces and rinse water – different swabs available for each application	10^{-14} M of ATP	Neogen™ AccuPoint™ Advanced Reader - a hand-held and portable device used with Neogen™ AccuPoint™ Advanced Samplers
Charm Sciences Inc	Swabs	Total ATP levels measured –different swabs available depending on the sample type, *ie* water sample, surface sample, field sample and food sample.	10^{-15} M of ATP	novaLUM II-X System – a hand-held and portable device used with the appropriate swab to detect ATP from microbial and organic contamination
	96 well plate	Microbial ATP in UHT food samples including milk, broth, ice-creams and nutritional drinks.	Data could not be found*	EPIC Microbial ATP system - consists of a built-in photomultiplier tube and injector.
Charles River Laboratories	Cuvette	Microbial ATP	Data could not be found*	Celsis Advance II™ luminometer, combined with Celsis® ATP-bioluminescence reagents
Promega	96 well plate	Microbial ATP using the BacTiter-Glo™ Microbial Cell Viability Assay	10^{-15} M of ATP (corresponds to 10 cells of *B. cereus*)	GloMax® 96 Microplate Luminometer consists of dual injectors and a charge-coupled device camera to record luminescence.

Roche™	Cuvette or 96 well plate	The kit contains a separate cell-lysis reagent to help determine cellular microbial/ATP if needed.	10^{-5} to 10^{-12} M ATP	Is sold as an independent kit without a luminometer. Suitable for use in tube luminometers and microplate-format luminometers.
Pall corporation	Swabs for surfaces and cuvette for liquid samples	The protocol involves cell lysis and determines cellular microbial/ATP.	10 – 100 CFU (colony forming units) – different bacteria contain varying amounts of ATP.	Pallchek™ Rapid Microbiology System comes with accessories consisting of swabs, reagents and positive controls.
Merck/ SigmaAldrich	Sampling pens can be used for swabbing as well as holding liquid samples	Detects total ATP content from both microbes as well as organic matter/food soiling.	Data could not be found*	HY-LiTE® 2 ATP Rapid Detection System – sampling accessories available in the form of sample pens. A portable device that can save up to 1000 readings and print off readings as well.

- Data could not be found online at the time of writing – 26/01/2021