Table 1: Reagents and Materials provided in the kit

No.	Reagent	Details	Quantity
1	Microtest plate (ready to use)	96 wells (12 strips of 8 wells), pre-coated with a monoclonal antibody specific for *Serratia marcescens* endonuclease	5 microplates
2	Washing buffer (10×)	Tris buffered saline containing surfactant and preservative, 10× concentrate	3×100 mL
3	Dilution buffer (10×)	Tris buffered saline containing surfactant and preservative, 10× concentrate	1×20 mL
4	DENARASE Standard (10 µg/mL)	DENARASE Endonuclease in a buffered solution with preservative	1×0.1 mL
5	Detector antibody (100×)	Monoclonal antibody specific for *Serratia marcescens* endonuclease, conjugated to biotin, in a buffered solution with preservative, 100× concentrate	1×0.75 mL
6	Enzyme conjugate (100×)	Streptavidin-conjugated horseradish peroxidase in stabilized solution, 100× concentrate	1×0.75 mL
7	Substrate solution	TMB One Substrate solution, ready to use	1×75 mL
8	Stop solution	0.5 M sulfuric acid	1×75 mL

Materials and equipment required but not supplied with the kid

- Ultrapure water (at least double distilled quality) for dilution of the washing buffer and the dilution buffer (supplied as 10× concentrate)
- Absorbent paper towels for removing residual liquid after microtest plate washing
- Suitable test tubes for preparing standards, controls and samples
- Suitable containers for washing and dilution buffer
- Suitable reagent reservoirs for effective multichannel pipetting
- Lid for covering the microtest plates during the incubation steps
- Orbital microtest plate shaker (about 500 rpm) and vortex mixer
- Microtest plate washer (manual washing can alternatively be performed)
- Precision pipettes (adjustable volumes from 10 µL to 5000 µL) with suitable tips
- Multi-channel pipette (100 µL) with suitable tips
- Microplate reader capable of measuring optical density at 450 nm (reference wavelength of 620 – 690 nm)