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# Proteomic profiling of *Serratia marcescens* by high-resolution mass spectrometry

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## Sample preparation and fractionation:

- 1. 4 % SDS in water
- 2. Urea buffer (20 mM HEPES pH 8.0, 9 M urea, 1 mM sodium orthovanadate, 2.5 mM sodium pyrophosphate, 1 mM β-glycerophosphate and 1 mM NaF).
- 3. Reduction: 100 mM DTT and alkylation: 10 mM iodoacetamide (IAA)
- 4. Reagents: Triethylammonium bicarbonate (TEABC stock) buffer 1.0 M, pH 8.5, 100 ml (Sigma Aldrich)
- 5. Solvent A: 10 mM TEABC in water at, pH 8.5
- 6. Solvent B: 10 mM TEABC in 90% Acetonitrile (ACN) (JT Baker) at pH 8.5

### **Desalting:**

- 1. Solvent A 0.1% formic acid in water
- 2. Solvent B 40% ACN, 0.1% formic acid

### LC-MS/MS analysis:

- 1. Solvent A (0.1% formic acid) in water
- 2. Solvent B (90% ACN with 0.1% formic acid)

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