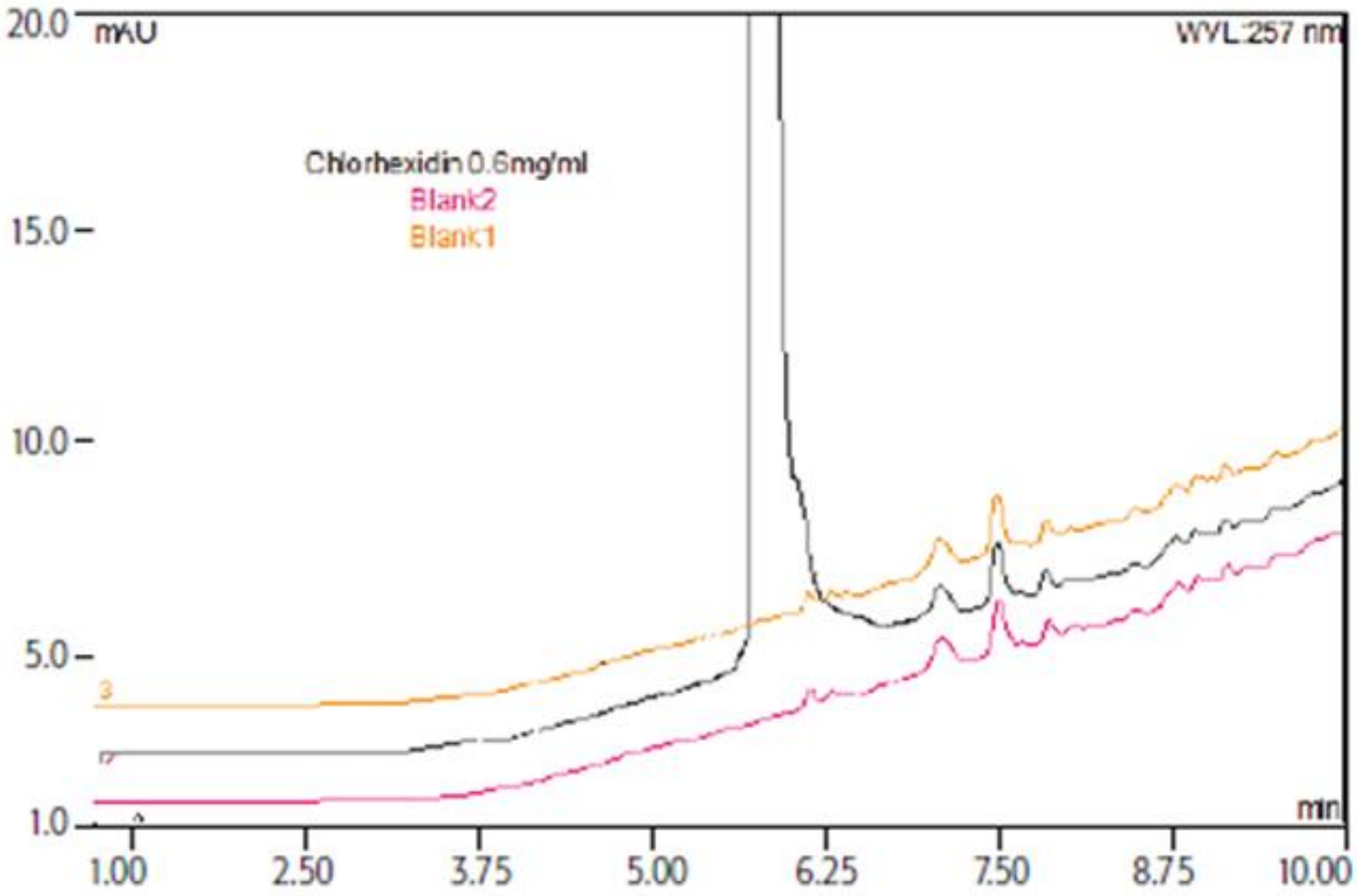
New!!! NEAR ZERO CARRY OVER

Meeting today's Mass Spectrometers sensitivity requirements

- **Fast** — ***Typical Clean Cycle time less than 1 minute***
- **Near Zero Carryover** — ***Typically less than 0.003% (30ppm)***
- **Minimum Sample Contact** — ***Wetted parts are SS & PEEK***
- **Reproducible** — ***Better that 1% RSD with partial loop fill***
- **Wash** ***the retention tubing, needle and valve all at once with up to 2 solvents***
- **Upgradable** — ***DLW Upgrade kit available for existing PALs***

Carryover Results UV

- **2ul Injection Chlorhexidine** "notoriously *sticky* substance"
- **1200ng Chlorhexidine on column, followed by 2 blank Injections**
- **Detection UV 257nm**



Conditions for UV carryover test

Column:	Halo C18 2.1x50mm, 2.8 µm
Flow:	0.5ml/min
Injection:	Full Loop 2µl (PEEK)
Eluent:	A: H2O + 0.1% TFA / B: Acetonitrile + 0.1% TFA
Gradient:	10%B (0.5 min) – 10% to 90% B (7.5 min) – 90% B (1 min)
Wash1:	H2O + 0.1% TFA
Wash2:	Acetonitrile + 0.1% TFA
Detection:	UV, 257nm

LEAP TECHNOLOGIES

PAL Prep and Load Platform — DLW Option

DLW – Fast and Clean LC/MS Loading