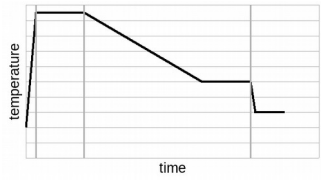
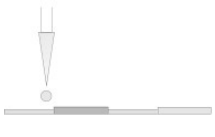
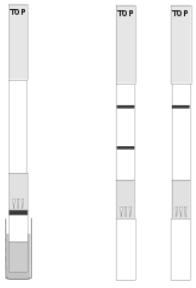
Protocol at a Glance

AMODIA easyFlow® QC Combo 1

Enrichment culture available?

▼ **YES**	▼ **NO**
proceed with step **1.1**	Prepare enrichment culture ! (materials not included in the kit)

Example for liquid enrichment cultures		e.g.: 1 g Product 9 g Inactivation solution 90 ml Nutrition media Incubation e.g. 24 h., 30°C - 35°C

1.1 Pre Treatment	1x vial E (Escherichia/Shigella) 1x vial P (*P. aeruginosa*) 1x vial S (*S. aureus*) 	For every species/ group (**three vials per sample**): 1 ml from enrichment culture into 1,5 ml reaction tube 10 min Centrifuge at 13´000g Discard supernatant 100 µl Add suspension buffer, **resolve pellet** (alternative: 1 mg/ml lysostaphine followed by incubation at 37°C for 10 min)
1.2 Hybridization setup	E: P. S: 	Prepare **three** master-mixes for all reactions (E, P, S) 30 µl Hybridization buffer (colorless cap): **all** vials 5 µl Probe mix E (red, cap) **only** E/S group **or** 5 µl Probe mix P (blue cap) **only** *P. aeruginosa* **or** 5 µl Probe mix S (green cap) **only** *S. aureus* Then add individually 100 µl Sample (from step 1.1) to each vial
1.3 Hybridization reaction		Temperature setting: • 95°C, 5 min • Ramp with cooling rate 0,1°C/s until 50°C • 50°C, 5 min • 30°C
2.1 LFD detection - Application		10 µl Reaction solution onto the LFD strip Take care to pipet mixes to the corresponding strips (E → E, P → P, S → S)
2.2 LFD detection - Development		150 µl Chromatographic buffer (blue cap) Dip LFD strips into chromatographic buffer 20 min Develop LFD strips at RT Read-out result