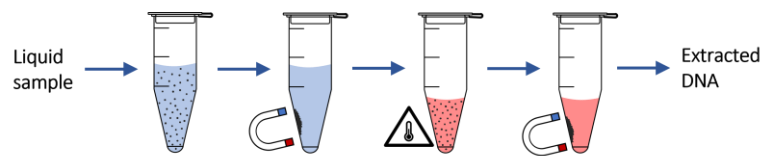


SwiftX™ Hi-Sense

Technical Sheet

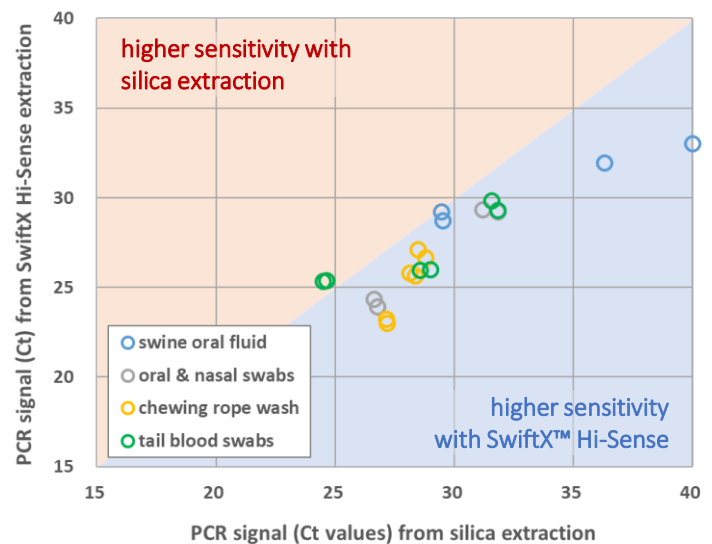
► Rapid, easy-to-perform and sensitive extraction of DNA

- Processing of 1mL liquid specimen in 15 minutes
- Centrifugation-free cell capture included
- Heat extraction of bacterial, viral and host DNA
- Inhibitor removal by Reverse Purification



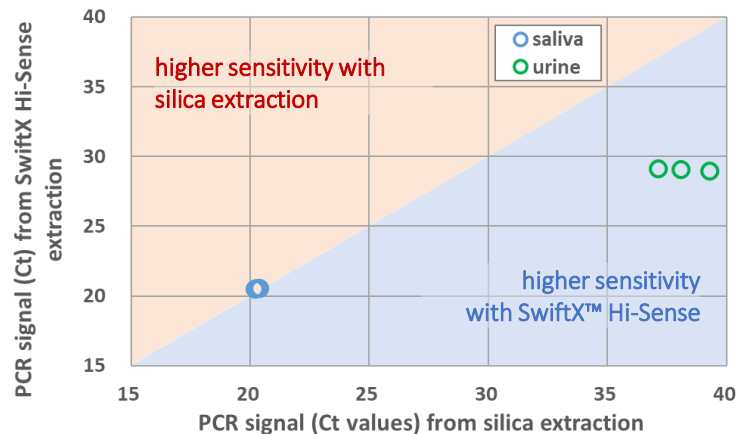
► Validation example: African Swine Fever (ASF) Virus extraction

- **Specimens:**
 - ✓ Swine oral fluid
 - ✓ Chewing rope wash
 - ✓ Oral & nasal swabs in transport medium
 - ✓ Tail blood swabs in transport medium
 - ✓ Environmental swabs in transport medium
- **SwiftX™ Hi-Sense extraction:**
1mL sample volume, 75µL lysis volume
- **Reference extraction:**
QIAGEN magnetic bead silica extraction
200µL sample volume, 75µL elution volume
- **ASFV detection:**
Real-time PCR assay Virotype ASFV 2.0 (Indical)



► Validation example: human DNA extraction

- **Specimens:**
 - ✓ Saliva
 - ✓ Urine
- **SwiftX™ Hi-Sense extraction:**
1mL sample volume, 75µL lysis volume
- **Reference extraction:**
QIAGEN spin-column silica extraction
200µL sample volume, 75µL elution volume
- **DNA detection:**
In-house real-time PCR assay for human DNA



► SwiftX™ Hi-Sense enables higher sensitivity of DNA compared to silica-based purification using standard sample volumes