

RSID™-SALIVA: Competitive Analysis

Forensic Detection of Saliva

	Technology Method	Specificity	Sensitivity	Ease of Use	Running Time
RSID™-Saliva	Strip Test (antibody)	High‡	Medium NO HD HOOK*	Easy	10 min
Liquid Phase Substrate Enzyme Assay	Enzymatic activity	Low	Medium	Medium	Hours
Solid Phase Substrate Enzyme Assay	Enzymatic activity	Low	Med/ High	Medium	Hours
Home Brew [Gel Electrophoresis]	Enzymatic activity	Low	Med/ High	Difficult	Hours to O/N

‡Specific for human α -amylase - Multiple body fluid stain detection from single extraction possible

*No High Dose Hook Effect -

RSID™-SEMEN: Competitive Analysis

Forensic Detection of Semen

	Technology Method	Specificity	Sensitivity	Ease of Use	Running Time
RSID™-Semen	Strip Test (antibody)	High CONFIRMATORY‡	High	Easy	10 min
PSA-Based tests	Strip Test (antibody)	Low	Low to Med	Easy	10 min
Acid Phosphatase activity	Enzymatic	Low	Low	Easy	10 min
Home Brew [Immunodiffusion]	Antibody	Low	Low	Difficult	Hours

‡ The only CONFIRMATORY TEST for human semen - No animal or body fluid cross-reactivity

BLOOD



RSID™-Blood: Competitive Analysis

Forensic Detection of Blood

	Technology Method	Specificity	Sensitivity	Ease of Use	Running Time
RSID™-Blood	Strip Test (antibody)	High CONFIRMATORY†	Medium NO HD HOOK*	Easy	10 min
Hemoglobin-Based Tests	Strip Test (antibody)	Low to Medium	High HD HOOK Effect	Med	10 min
Chemical-Based Tests	Heme Chemistry	Poor	Low	Easy	10 min
Home Brew	Antibody	Low	Low	Difficult	10 min

† The only CONFIRMATORY TEST for human blood – No animal or primate cross reactivity

*No High Dose Hook Effect