

# Biological Evidence Screening Exam Blueprint

Knowledge/Skill Domains	Tasks using domain knowledge & skills	F&I Quartiles (Top to bottom, 1-4)	Test %
<b>1 Science &amp; Math</b>			<b>27%</b>
<b>1.1 Biology (e.g. molecular, cellular)</b>	B5: Perform tests for blood B6: Perform tests for semen	1	11.5%
	B8: Perform microscopic examinations G5: Participate in proficiency testing G12: Perform contamination prevention procedures B7: Perform tests for miscellaneous body fluids A2: Develop testing plan G4: Verify reagent quality F4: Provide testimony (e.g. depositions, court) E5: Communicate technically reviewed results (e.g. written, verbal)	2	
	B4: Document evidence H1: Review current literature B9: Collect samples from evidence E2: Conduct technical review K2: Participate in laboratory meetings (e.g. staff, QA, unit) E1: Write draft report (e.g. serology and/or DNA) E4: Address review issues (e.g. technical, administrative) A3: Coordinate testing with other disciplines B3: Address case discrepancies K4: Respond to daily inquiries (e.g. email, phone calls) H2: Complete continuing education activities	3	
	G1: Prepare work area A1: Review case information G3: Prepare laboratory reagents	4	
<b>1.2 Chemistry</b>	B5: Perform tests for blood B6: Perform tests for semen	1	9.3%
	G5: Participate in proficiency testing G3: Prepare laboratory reagents B7: Perform tests for miscellaneous body fluids F4: Provide testimony (e.g. depositions, court) E5: Communicate technically reviewed results (e.g. written, verbal)	2	
	H1: Review current literature E2: Conduct technical review E1: Write draft report (e.g. serology and/or DNA) E4: Address review issues (e.g. technical, administrative) G4: Verify reagent quality B3: Address case discrepancies H2: Complete continuing education activities K2: Participate in laboratory meetings (e.g. staff, QA, unit)	3	
	B4: Document evidence A3: Coordinate testing with other disciplines G1: Prepare work area A1: Review case information G12: Perform contamination prevention procedures A2: Develop testing plan B8: Perform microscopic examinations K4: Respond to daily inquiries (e.g. email, phone calls)	4	
<b>1.6 Math</b>	G5: Participate in proficiency testing G3: Prepare laboratory reagents F4: Provide testimony (e.g. depositions, court) E5: Communicate technically reviewed results (e.g. written, verbal)	2	6.3%
	H1: Review current literature B8: Perform microscopic examinations G4: Verify reagent quality E2: Conduct technical review H2: Complete continuing education activities K2: Participate in laboratory meetings (e.g. staff, QA, unit)	3	
	B4: Document evidence B9: Collect samples from evidence B10: Prepare samples for DNA processing B2: Inventory evidence items E1: Write draft report (e.g. serology and/or DNA) A2: Develop testing plan E4: Address review issues (e.g. technical, administrative) K4: Respond to daily inquiries (e.g. email, phone calls)	4	
	E3: Conduct administrative review		

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<b>2 Quality Assurance/Quality Control</b>			<b>9%</b>
2.1 ISO 17025 / ANAB	E6: Issue final report A2: Develop testing plan G5: Participate in proficiency testing G4: Verify reagent quality F4: Provide testimony (e.g. depositions, court)	2	3.3%
	E2: Conduct technical review	3	
2.2 QAS	G5: Participate in proficiency testing A2: Develop testing plan F4: Provide testimony (e.g. depositions, court)	2 3	1.2%
	G12: Perform contamination prevention procedures A2: Develop testing plan B9: Collect samples from evidence B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations E4: Address review issues (e.g. technical, administrative) E2: Conduct technical review B7: Perform tests for miscellaneous body fluids B4: Document evidence F4: Provide testimony (e.g. depositions, court)	2 3 4	4.2%
<b>3 Computer</b>			<b>10%</b>
3.1 Computer	B4: Document evidence B1: Maintain chain of custody B8: Perform microscopic examinations G5: Participate in proficiency testing E6: Issue final report E1: Write draft report (e.g. serology and/or DNA) K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature H2: Complete continuing education activities	1 3 4	3.1%
	B4: Document evidence B1: Maintain chain of custody B10: Prepare samples for DNA processing B2: Inventory evidence items E6: Issue final report E1: Write draft report (e.g. serology and/or DNA) G5: Participate in proficiency testing G4: Verify reagent quality G3: Prepare laboratory reagents E2: Conduct technical review E3: Conduct administrative review B5: Perform tests for blood A1: Review case information B6: Perform tests for semen B8: Perform microscopic examinations H1: Review current literature H2: Complete continuing education activities B7: Perform tests for miscellaneous body fluids A3: Coordinate testing with other disciplines	1 2 3 4	6.9%
<b>4 Communication</b>			<b>8%</b>
4.1 Communication (e.g. oral, written, presentation, listening, interpersonal)	B4: Document evidence E4: Address review issues (e.g. technical, administrative) E5: Communicate technically reviewed results (e.g. written, verbal) K4: Respond to daily inquiries (e.g. email, phone calls) E1: Write draft report (e.g. serology and/or DNA) K2: Participate in laboratory meetings (e.g. staff, QA, unit) F4: Provide testimony (e.g. depositions, court) B3: Address case discrepancies H2: Complete continuing education activities A1: Review case information G5: Participate in proficiency testing E2: Conduct technical review E3: Conduct administrative review B1: Maintain chain of custody A3: Coordinate testing with other disciplines E6: Issue final report H1: Review current literature	1 2 3 4	7.9%

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<b>5 Process</b>			<b>23%</b>
<b>5.1 Organizational (e.g. Time Management, Multi-Tasking)</b>	A2: Develop testing plan B9: Collect samples from evidence E4: Address review issues (e.g. technical, administrative) G5: Participate in proficiency testing	2	4.9%
	B4: Document evidence E2: Conduct technical review E3: Conduct administrative review A3: Coordinate testing with other disciplines K4: Respond to daily inquiries (e.g. email, phone calls) K2: Participate in laboratory meetings (e.g. staff, QA, unit)	3	
<b>5.2 Critical Thinking (e.g. Analytical, Decision Making, Problem-solving)</b>	B9: Collect samples from evidence	1	7.6%
	E2: Conduct technical review A2: Develop testing plan E4: Address review issues (e.g. technical, administrative) G5: Participate in proficiency testing B3: Address case discrepancies	2	
	H1: Review current literature K2: Participate in laboratory meetings (e.g. staff, QA, unit) F4: Provide testimony (e.g. depositions, court) K4: Respond to daily inquiries (e.g. email, phone calls) H2: Complete continuing education activities	3	
	B4: Document evidence A3: Coordinate testing with other disciplines B5: Perform tests for blood A1: Review case information E1: Write draft report (e.g. serology and/or DNA) B6: Perform tests for semen B8: Perform microscopic examinations G4: Verify reagent quality E5: Communicate technically reviewed results (e.g. written, verbal) B7: Perform tests for miscellaneous body fluids	4	
<b>5.3 Scientific method</b>	B9: Collect samples from evidence	1	10.9%
	A2: Develop testing plan G5: Participate in proficiency testing B4: Document evidence B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations G4: Verify reagent quality F4: Provide testimony (e.g. depositions, court) B3: Address case discrepancies E5: Communicate technically reviewed results (e.g. written, verbal)	2	
	H1: Review current literature E2: Conduct technical review B7: Perform tests for miscellaneous body fluids K2: Participate in laboratory meetings (e.g. staff, QA, unit) A1: Review case information E1: Write draft report (e.g. serology and/or DNA) E4: Address review issues (e.g. technical, administrative) H2: Complete continuing education activities	3	
	A3: Coordinate testing with other disciplines G12: Perform contamination prevention procedures K4: Respond to daily inquiries (e.g. email, phone calls)	4	

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<b>6 Laboratory</b>			<b>13%</b>
<b>6.1 Good laboratory practice (e.g. safety, PPE)</b>	B9: Collect samples from evidence B5: Perform tests for blood G12: Perform contamination prevention procedures B6: Perform tests for semen	1	7.4%
	G5: Participate in proficiency testing B7: Perform tests for miscellaneous body fluids B4: Document evidence G3: Prepare laboratory reagents G1: Prepare work area B10: Prepare samples for DNA processing B2: Inventory evidence items B8: Perform microscopic examinations	2	
	B9: Collect samples from evidence G12: Perform contamination prevention procedures G5: Participate in proficiency testing G3: Prepare laboratory reagents B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations B7: Perform tests for miscellaneous body fluids B10: Prepare samples for DNA processing	3	
<b>6.2 Laboratory Skills (e.g. pipetting, robotics)</b>	B9: Collect samples from evidence G12: Perform contamination prevention procedures G5: Participate in proficiency testing G3: Prepare laboratory reagents B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations B7: Perform tests for miscellaneous body fluids B10: Prepare samples for DNA processing	1	5.6%
	B9: Collect samples from evidence G12: Perform contamination prevention procedures G5: Participate in proficiency testing G3: Prepare laboratory reagents B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations B7: Perform tests for miscellaneous body fluids B10: Prepare samples for DNA processing	2	
	B9: Collect samples from evidence G12: Perform contamination prevention procedures G5: Participate in proficiency testing G3: Prepare laboratory reagents B5: Perform tests for blood B6: Perform tests for semen B8: Perform microscopic examinations B7: Perform tests for miscellaneous body fluids B10: Prepare samples for DNA processing	3	
<b>7 Forensic Disciplines</b>			<b>6%</b>
<b>7.1 Other forensic disciplines</b>	B4: Document evidence A2: Develop testing plan B9: Collect samples from evidence A1: Review case information B3: Address case discrepancies	1	5.7%
	A3: Coordinate testing with other disciplines K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature H2: Complete continuing education activities K2: Participate in laboratory meetings (e.g. staff, QA, unit) B1: Maintain chain of custody B8: Perform microscopic examinations	2	
	A3: Coordinate testing with other disciplines K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature H2: Complete continuing education activities K2: Participate in laboratory meetings (e.g. staff, QA, unit) B1: Maintain chain of custody B8: Perform microscopic examinations	3	
<b>8 Legal</b>			<b>4%</b>
<b>8.1 Legal system</b>	B1: Maintain chain of custody B4: Document evidence E6: Issue final report F4: Provide testimony (e.g. depositions, court) A1: Review case information K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature K2: Participate in laboratory meetings (e.g. staff, QA, unit)	1	4.2%
	B1: Maintain chain of custody B4: Document evidence E6: Issue final report F4: Provide testimony (e.g. depositions, court) A1: Review case information K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature K2: Participate in laboratory meetings (e.g. staff, QA, unit)	2	
	B1: Maintain chain of custody B4: Document evidence E6: Issue final report F4: Provide testimony (e.g. depositions, court) A1: Review case information K4: Respond to daily inquiries (e.g. email, phone calls) H1: Review current literature K2: Participate in laboratory meetings (e.g. staff, QA, unit)	3	
<b>Total</b>			<b>100%</b>