

Sample type	Starting material	Samples input	Workflow time	Procedure & checklist
Mammalian cultured cells	Suspension cell culture	1 x 10 ⁶ –5 x 10 ⁶ diploid human cells	~1 hr.	Extracting HMW DNA from cultured suspension cells (103-394-500)
	Adherent cell culture	1 x 10 ⁶ –5 x 10 ⁶ diploid human cells	~1 hr.	Extracting HMW DNA from cultured adherent cells (102-573-600)
Blood	Human whole blood	200 µL	~1 hr.	Extracting HMW DNA from human whole blood using Nanobind kits (102-573-500)
	Nucleated red blood cells (nRBCs)	2.5–20 µL	~1 hr.	Extracting HMW DNA from nucleated red blood cells (102-574-000)
Saliva	Human saliva collected in DNA Genotek™ Oragene™ devices	500 µL	~2 hr.	Extracting HMW DNA from saliva collected in DNA Genotek™ Oragene™ devices (103-544-000)
Cultured bacteria	Gram-negative bacteria	5 x 10 ⁸ –5 x 10 ⁹ bacterial cells	~1 hr.	Extracting HMW DNA from Gram-negative bacteria (102-573-800)
	Gram-positive bacteria	5 x 10 ⁸ –5 x 10 ⁹ bacterial cells	~1 hr.	Extracting HMW DNA from Gram-positive bacteria (102-573-900)