

Sample type	Starting material	Samples input	Workflow time	Procedure & checklist
Mammalian cultured cells	Suspension cell culture	1 x 10 <sup>6</sup> –5 x 10 <sup>6</sup> diploid human cells	~1 hr.	Extracting HMW DNA from cultured suspension cells ( <a href="#">103-394-500</a> )
	Adherent cell culture	1 x 10 <sup>6</sup> –5 x 10 <sup>6</sup> diploid human cells	~1 hr.	Extracting HMW DNA from cultured adherent cells ( <a href="#">102-573-600</a> )
Blood	Human whole blood	200 µL	~1 hr.	Extracting HMW DNA from human whole blood using Nanobind kits ( <a href="#">102-573-500</a> )
	Nucleated red blood cells (nRBCs)	2.5–20 µL	~1 hr.	Extracting HMW DNA from nucleated red blood cells ( <a href="#">102-574-000</a> )
Cultured bacteria	Gram-negative bacteria	5 x 10 <sup>8</sup> –5 x 10 <sup>9</sup> bacterial cells	~1 hr.	Extracting HMW DNA from Gram-negative bacteria ( <a href="#">102-573-800</a> )
	Gram-positive bacteria	5 x 10 <sup>8</sup> –5 x 10 <sup>9</sup> bacterial cells	~1 hr.	Extracting HMW DNA from Gram-positive bacteria ( <a href="#">102-573-900</a> )