

## Characteristic features of nexttec™ DNA Isolation Kits

nexttec™ DNA Isolation Kit	sample source	DNA yield	end volume of DNA preps	time for lysis
<b>Cells &amp; Tissue</b>	different kinds of cultured cells, fresh and frozen tissue, different organs, different animal species	up to 20 µg per preparation	120 µl	30 min to overnight
<b>Bacteria</b>	Gram-negative and Gram-positive Bacteria	up to 24 µg per OD <sub>600</sub> from E. coli cultures	120 µl	40 min
<b>Plasmids</b>	low copy and high copy plasmids, up to at least 15 kb in length	up to 3 µg per ml bacterial culture for high copy plasmids	120 µl	9 min
<b>Blood mini</b>	EDTA blood, Heparin blood, blood from different species, maximum blood volume is 30 µl	~ 10 ng per µl of blood, up to 300 ng per prep	120 µl	0,5 h to overnight
<b>Blood maxi</b>	EDTA blood, Heparin blood, blood from different species, usual blood volume is 200 µl	~ 60 ng/µl blood, or ~ 12 µg DNA per prep	120 µl	35 min
<b>Typifix™ eartags</b>	Typifix™ eartag system	up to 12 µg	120 µl	3h to overnight
<b>Plant mini</b>	plant leaf tissue, different plant species	up to 100 ng per prep	120 µl	30 min to overnight
<b>Plant maxi (beta version)</b>	leaves, buds, different plant species	up to 300 ng per mg leaf, up to 10 µg per prep	120 µl	30 min
<b>Yeast (beta version)</b>	different yeast species	up to 5 µg per prep	120 µl	2,5 h