# Quantabio

Product Information			
Extracta Plus DNA, 10 rxn			
Part Number	95213-010		
Number of Reactions	10 Reactions		
Storage Temperature	15ºC to 25ºC		
Lot Number	172032054		

Product Specifications 95213-010 Rev 02

## Product Description:

Extracta Plus DNA kits offer rapid purification of total DNA from a variety of samples sources. Genomic, mitochondrial and pathogenic DNA can be collected from fresh/frozen animal cells, tissues, blood, and bacteria. The Extracta Plus Spin column workflow enables simultaneous processing of multiple samples into purified DNA suitable for PCR, Southern blotting, RAPD, AFLP and next generation sequencing.

Purified DNA is eluted in low salt buffer or water. The fragments purified DNA from this kit will predominate in the 30 kb range, with fragments as large as 50 kb and as small as 100 bp being recovered.

## **Component Part Numbers:**

11239	997	Proteinase K	1.25 ml
11239	999	Buffer EPDTL	1.8 ml
11240	002	Buffer EPDL	2 ml
11240	005	Buffer EPDW1	5 ml
11240	008	Buffer EPDW2	5 ml
11240	011	Buffer EPDE	2 ml
11240	014	Extracta Plus-Spin Column	10 pc
11240	016	Collection Tubes 2ml	20 рс

Product Specifications		
95213-010		
Assay	Functional Assay	
Result	Pass	

### **Quality Control Analysis and Specifications:**

### Membrane control

Membrane binding capacity was tested by determining recovery of genomic DNA.

Yield of  $\geq$  50 µg was obtained per Spin Column.

As tested by PCR, no PCR inhibitors were released from the membrane.

Pass Pass

#### Limitations of Use

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This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request. 100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 (888) 959 5165 • <u>https://www.quantabio.com/</u> FMWI016.2 Rev 02



# Buffers

Conductivity and pH of buffers and solutions were tested and were within the ranges below:

	Conductivity (mS/cm)	рН	
EPDL	38.40 – 45.40 (1/10 dilution)	5.90 - 6.10	Pass
EPDTL	20.50 – 28.20	8.10 - 8.50	Pass
EPDW1	50.20 – 59.80 (1/10 dilution)	_	Pass
EPDW2 <sup>t</sup>	28.60 - 34.20	7.40 - 7.60	Pass
EPDE	0.24 - 0.31	8.90 - 9.10	Pass

<sup>t</sup> Contains sodium azide as a preservative

Buffer EPDL was tested by preparation of genomic DNA from 200 $\mu$ l of whole human blood. Average yield of genomic DNA was $\geq$ 90% of reference yield, with an $A_{260}/A_{280}$ ratio of 1.70 – 2.00.	Pass
Functional absence of RNase was checked for Buffer EPDW2 <sup>t</sup> .	Pass
<b>Proteinase K</b> Activity was determined by incubation of hemoglobin substrate solution with Proteinase K in water, at 30°C for 10 min, followed by the determination of acid-soluble tyrosine at 750 nm.	Pass
Absence of DNase and RNase activity was checked by incubation of DNA or RNA, with Proteinase K in enzyme incubation buffer at 37°C.	pass

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