Product Information	
Extracta Plus DNA, 10 rxn	
Part Number	95213-010
Number of Reactions	10 Reactions
Storage Temperature	15^{0}C to 25^{0}C
Lot Number	172032054

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:

1123997	**Proteinase K**	**1.25 ml**
1123999	**Buffer EPDTL**	**1.8 ml**
1124002	**Buffer EPDL**	**2 ml**
1124005	**Buffer EPDW1**	**5 ml**
1124008	**Buffer EPDW2**	**5 ml**
1124011	**Buffer EPDE**	**2 ml**
1124014	**Extracta Plus-Spin Column**	**10 pc**
1124016	**Collection Tubes 2ml**	**20 pc**

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 ≥ 50 µg was obtained per Spin Column. Pass

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

Buffers

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

	Conductivity (mS/cm)	pH	
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[t]	28.60 – 34.20	7.40 – 7.60	Pass
EPDE	0.24 – 0.31	8.90 – 9.10	Pass

[t] *Contains sodium azide as a preservative*

Buffer EPDL was tested by preparation of genomic DNA from 200 µl of whole human blood. Average yield of genomic DNA was ≥ 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[t]. Pass

Proteinase K

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