

### Genomic DNA purification, blood and serum purification, ChargeSwitch and GeneCatcher



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- Fully scalable chemistry in batches of 8 (40 samples 3 to 10mL blood samples per 8hr day)
- High purity and yield of extracted genomic DNA yields between 300µg to 500µg per 10mL sample
- Lower elution volumes, resulting in concentrated DNA ideal for archiving in a standard microcentrifuge tube

ChargeSwitch® gDNA Blood Kits offer a rapid and reliable method of purifying high quality genomic DNA from small blood samples from 10µL to 1ml for demanding downstream applications. They are designed for high-throughput processing and are compatible with liquid handling robotics. The ChargeSwitch® gDNA 50µL to 100µL. The blood kit is scalable for volumes between 50µL and 100µL. This kit includes all the necessary reagents for the number of preps listed and requires the use of a magnetic accessory.

DNAzol® BD Reagent is specifically formulated for the isolation of genomic DNA from blood.

The GeneCatcher™ gDNA Blood Kits allow rapid and efficient extraction of genomic DNA (gDNA) from human blood, including archived or poorly stored blood samples. Genomic DNA is extracted from blood samples using the cost-effective, user-friendly magnetic bead based GeneCatcher™ Technology without the use of centrifugation.

High purity DNA for downstream processing DNA purified using GeneCatcher™ Technology provides a purity suited to highly reliable downstream processing. GeneCatcher™ purified DNA has been validated in many applications, including restriction endonuclease digestion, second generation multiplex and single tandem repeat (SGM+STR) profiling and quantitative PCR.

GeneCatcher™ protocols - ready for automation. GeneCatcher™ Technology has been optimised and designed for scalable and automated gDNA isolation from large blood samples using the Tecan Freedom EVO™ liquid handler, featuring:

#### ChargeSwitch

Catalogue No	Description	Quantity
<b>VXCS11000</b>	ChargeSwitch gDNA 50µL to 100µL blood kit	50 preps
<b>VXCS11040</b>	ChargeSwitch gDNA 0.2mL to 1mL serum kit	50 preps
<b>VXCS11300</b>	ChargeSwitch gDNA 50µL sheep blood kit	50 preps
<b>VXCS1130010</b>	ChargeSwitch gDNA 50µL sheep blood kit	960 preps

#### GeneCatcher

Catalogue No	Description	Quantity
<b>VXCS21101</b>	GeneCatcher gDNA 0.3mL to 1mL blood kit	200mL
<b>VXCS21110</b>	GeneCatcher gDNA 3mL to 10mL blood kit	200mL

Catalogue No	Description	Quantity
<b>VX10974020</b>	DNAzol® BD reagent	100mL

### Genomic DNA purification kits, buccal cells



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#### Features:

- Normalised buccal cell kit: sample size - 1 buccal swab  
Yield - 1 to 3ng/mL elution concentration
- Buccal cell kit: sample size - 1 buccal swab  
Yield - 6µg

#### ChargeSwitch® gDNA normalised buccal cell kit

Purifies high quality genomic DNA from buccal samples at a ready normalised concentration by eliminating the need for lengthy quantitation and dilution steps. This rapid single-tube protocol is easily adapted for high-throughput automation and results in high quality DNA that is ideal for STR analysis. This kit includes all the necessary reagents for the number of preps listed and requires the use of a magnetic accessory.

#### ChargeSwitch® gDNA buccal cell kit

Maximises the yield of high quality genomic DNA from buccal samples for rapid buccal swab processing. This kit includes all the necessary reagents for the number of preps listed and requires the use of a magnetic accessory.

#### Buccal cells

Catalogue No	Description	Quantity
<b>VXCS11020</b>	ChargeSwitch gDNA normalised buccal cell kit	50 preps
<b>VXCS1102010</b>	ChargeSwitch gDNA normalised buccal cell kit	960 preps
<b>VXCS11021</b>	ChargeSwitch gDNA buccal cell kit	50 preps
<b>VXCS1102110</b>	ChargeSwitch gDNA buccal cell kit	960 preps