

Arcis Blood Kit

(Bulk Kit)

UFL005 Arcis Blood Kit 48 rxn



Instructions for use

1. General Information

The Arcis Blood Kit is a ready to use kit comprising two pre-filled tubes enabling pre-analytical processing of blood samples. The product is intended to be used by trained users proficient in molecular biological techniques.

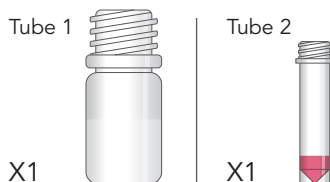
In 3 minutes the Kit allows you to go from blood to downstream nucleic acid investigations without the need for isolation or purification.

The Arcis Blood Kit is intended for in vitro diagnostic use.



2. Materials Provided

Material Provided	Quantity	Number of Preps
Tube 1: Lysis Buffer	1 Tube	48
Tube 2: Wash buffer	1 Tube	



3. Storage Conditions

Recommended storage conditions: 4°C to 40°C. If the reagents are required to be used for an extended period of time after initial opening they can be pre-aliquoted and then stored for later use.

4. Intended Use and Samples

The Arcis Blood Kit will release nucleic acids from fresh or frozen whole blood samples. The Kit is suitable for specimens that have been stored in EDTA and heparin-containing solutions. The DNA released is ready for use in PCR or other molecular applications.

The Arcis Blood Kit has been validated as an in vitro diagnostic product for the release of human genomic DNA from blood samples. The kit may also be used on a research only basis for the release of other nucleic acids e.g. pathogen nucleic acids from blood samples.

Instructions for Use continued

5. Typical Protocol

Ensure samples have thawed completely before starting this procedure.

- 5.1. Add 30µl of whole blood to 150µl of Reagent 1 (or scale up for larger sample volume). At this point nucleic acids are stable for 90 days at room temperature, provided there is no further processing.
- 5.2. Incubate for one minute at room temperature.
- 5.3. Take 5µl of the above mixture and combine with 20µl of Reagent 2 (or scale up for larger sample volume). Once processed with Reagent 2 samples should be used immediately or frozen at -20°C.
- 5.4. Add appropriate volume into PCR master mix (e.g. 5µl per 25µl reaction) or continue directly to other downstream technique.

For applications where enhanced sensitivity is required, the following protocol modifications can be used:

Samples can be mixed with Reagent 1 at a 1:4 or 1:3 ratio to reduce sample dilution (See Table 1).

Samples that have been processed in step 5.1 can be added to Reagent 2 at 1:3, 1:2 or 1:1 ratio to reduce sample dilution (See Table 2).

Table 1: Processing samples in Reagent 1*

Sample Volume (µl)	Reagent 1 Volume (µl)	Ratio
30	120	1:4
30	90	1:3
60	180	1:3

* Increasing volume of reagents will reduce the total number of samples that can be processed by the kit.

Table 2: Washing samples in Reagent 2

Extract from Tube 1 (µl)	Reagent 2 Volume (µl)	Ratio
5	15	1:3
10	20	1:2
20	20	1:1

6. Manufacturer Contact Details

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