

Arcis Sample Prep Kit (Bulk Kit)

UFL002 Arcis Sample Prep Kit 48rxn



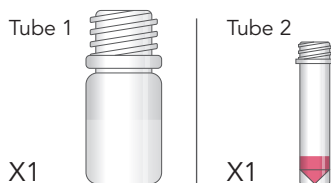
Instructions for use

1. General Information (Bulk Kit)

Arcis Sample Prep is a ready to use kit comprising two reagents enabling pre-analytical processing of a variety of biological sample types for example, whole blood, saliva, bacteria or plant cells. In 3 minutes the Arcis Sample Prep kit allows you to go from cells to downstream nucleic acid investigations without the need for isolation or purification. The product is intended to be used by trained users proficient in molecular biological techniques.

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. Samples

The product can be used on virtually any nucleic acid containing sample. The nucleic acids released have been successfully applied to molecular biology techniques including PCR, sequencing and cloning. The Arcis Sample Prep Kit accelerates pre-analytical processing in the following targets:

- Human Samples: including whole blood (fresh/frozen, with and without heparin or EDTA), plasma, urine and buccal swabs
- Microbiological samples: including bacteria (*E.coli*, *S.aureus*, *P.aeruginosa*, *K. pneumoniae*), viruses (HBV/HCV) and parasites (plasmodium)

5. Applications

The Arcis Sample Prep Kit is particularly suited to the following areas:

- Laboratory-free situations including point of care and field-based diagnostics, near-patient testing, and integrated sample-processing workflows.
- Forensic Analysis
- Veterinary research
- Genomics and biomarker analysis

Instructions for Use continued

6. Typical Protocol

Ensure samples have thawed completely before starting this procedure.

- 6.1. Add 30µl of sample 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.
- 6.2. Incubate for one minute at room temperature.
- 6.3. 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.
- 6.4. 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 6.1 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

This product is for laboratory research use only.
CAUTION: Not for diagnostic use.

7. Manufacturer Contact Details

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