LABORATORY · DIAGNOSTICS

ViraChip® Sample Buffer / ViraChip® Sample Buffer Plus

Instructions for use

CE

ViraChip® Sample Buffer or ViraChip® Sample Buffer Plus for ViraChip® Test Kits required for dilution of human patient samples or control sera. The sample buffer is ready to use and contains milk powder, detergents and salts to prevent non-specific binding.

Principle of the assay

All ViraChip® Test Kits contain ViraChip® Antigen Coated Wells, in which a nitrocellulose membrane is fixed at the bottom of each well of a standard microtiter plate (MTP). On this membrane the antigens are fixed as analyte spots. During the serum incubation step, parameter-specific antibodies bind to the immobilised antigens, herein after referred to as spots, on the microarray. For this purpose, the patient samples or control sera are diluted in sample buffer or sample buffer plus. The standard dilution is 1:76 for patient samples and 1:16 for control sera, but may vary depending on the parameters (see parameter-specific test kit instructions for use). The sample buffer ensures binding of specific antibodies and minimizes non-specific interactions with other matrix components of the patient sample.

During the subsequent conjugate incubation, AP-conjugate binds to the antigen-antibody complex. The alkaline phosphatase converts the chromogen / substrat and thus, stains the antigen-antibody complex on the microarray / test strip purple. Following serum, conjugate and chromogen / substrate incubation, a wash procedure is performed.

Materials provided

Sample buffer:	**ViraChip® Sample Buffer (50 ml)** Sample buffer for ViraChip® tests, ready to use	(Order No.: V-UVCUPP)
	ViraChip® Sample Buffer (80 ml) Sample buffer for ViraChip® tests, ready to use	(Order No.: V-UVCUPP80)
	or	
	ViraChip® Sample Buffer Plus Sample buffer for ViraChip® tests, ready to use	(Order No.: V-UVCPPP)
Serum:	Per patient 1 x **10 µl serum**	
ViraChip® Test Kit:	**ViraChip® Test Kit** of the parameter to be tested	

For kit contents, expiry dates, storage, additionally required equipment and preparation of reagents, controls and patient samples refer to the instructions for use of the respective ViraChip Test Kit.

Preparation of reagents and patient samples

Bring reagent to room temperature (RT, 20-23°C) prior to use and mix it thoroughly before use.

The Sample Buffer is ready to use and required for dilution of patient samples or control sera.

Patient samples: Use **100 µl** of a **1:76** dilution of patient serum, e.g. **10 µl patient serum** plus **750 µl Sample Buffer *.**

Controls: Optionally, use **100 µl** of a **1:16** dilution of control serum, e.g. **10 µl of control serum plus 150 µl Sample Buffer ***.

*) Depending on the equipment, dilutions may be performed in several steps.

Preparation and Processing of the test run

Sample processing on ViraChip® Antigen Coated Wells can be automated with the following pipetting robots / ELISA processors: GEMINI, BEP2000, ETI-MAX3000, SERION Immunomat, Euroanalyzer I, Euroanalyzer I-2P, EVOLIS, EVOLIS Twin-Plus, ThunderBolt ELISA, ThunderBolt ELISA + CLIA, DS2, DSX, Agility, Agility Integra.
A detailed step-by-step guidance for the automation solution applied and instructions for use for the ViraChip® software will be provided during system set up and training by Viramed Biotech AG. Further details are listed under "Notes on devices and software".

During processing, the Sample Buffer is used in the following work step:

3. Processing
Perform all processing steps at room temperature (RT).

3.3 Serum incubation
- According to the assignment scheme add 100 µl of diluted patient sample or 100 µl of diluted control serum to each well, respectively.
- Incubate by shaking for 30 minutes at RT.
- Aspirate liquid.

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

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Evaluation

The evaluation of patient samples is carried out automatically by the ViraChip® Software according to the parameter-specific interpretation criteria. Please refer to the ViraChip® Test Kit instructions for use.

Requirements on the user

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Storage and stability of reagents

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Warnings and precautions

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Please refer to material safety data sheet for the Sample Buffer.

Collection, handling and storage of the patient sample

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Limitations of the procedure

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Notes to Equipment and Software

Please refer to the description in the ViraChip® Test Kit instructions for use accordingly.

Symbols used

	Manufacturer		Order Number
	Refer to Instructions for Use		Use by / Expiration Date
	*In-Vitro* Diagnostic Medical Device		Temperature Limitation (Storage)
	Lot Number		

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