arkray

Salivary Testing Instrument

SillHa

LH-4912

For oral care one step ahead

We propose new communication with patients using an easy testing tool.

| **Multiple panels** | 7 items related to tooth health, gum health, and oral cleanliness can be measured at once. |

| **Easy operation** | Just drop a specimen on a test strip and press START. |

| **Compact design** | Palm-sized with only 430g. |

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Test flow

Quick and easy testing is possible by using 3mL of oral rinse solution.
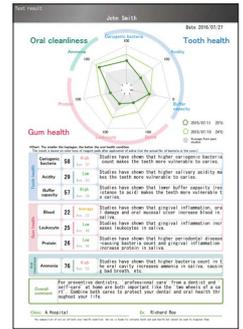
① Rinse your mouth with solution for 10 seconds.

② Drop the specimen (discharged oral rinse solution) on a test strip using a dropper.

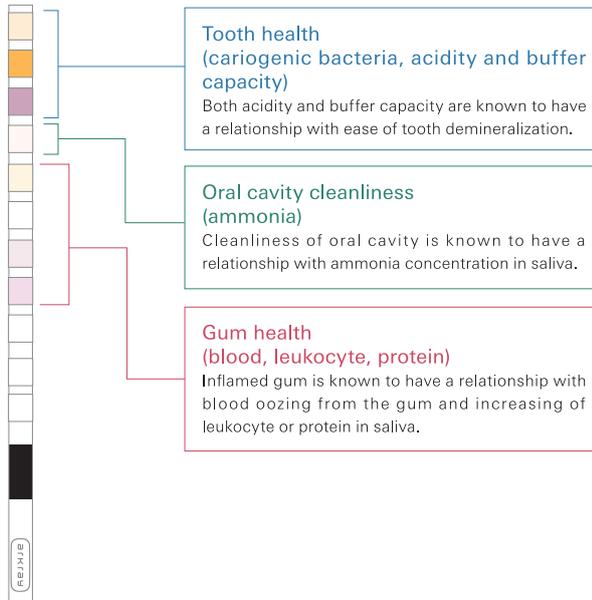③ Press START, place the test strip and measure.

Measurement time 5min

④ Test report is printed after 5 minutes.

Multiple panels measured together

7items related to tooth health, gum health, and oral cleanliness can be measured at once.

Tooth health
(cariogenic bacteria, acidity and buffer capacity)
Both acidity and buffer capacity are known to have a relationship with ease of tooth demineralization.

Oral cavity cleanliness
(ammonia)
Cleanliness of oral cavity is known to have a relationship with ammonia concentration in saliva.

Gum health
(blood, leukocyte, protein)
Inflamed gum is known to have a relationship with blood oozing from the gum and increasing of leukocyte or protein in saliva.

Easy-to-understand test report

Test results are shown in a radar chart.
Explanation can be made to patients by using visibly comprehensible report.
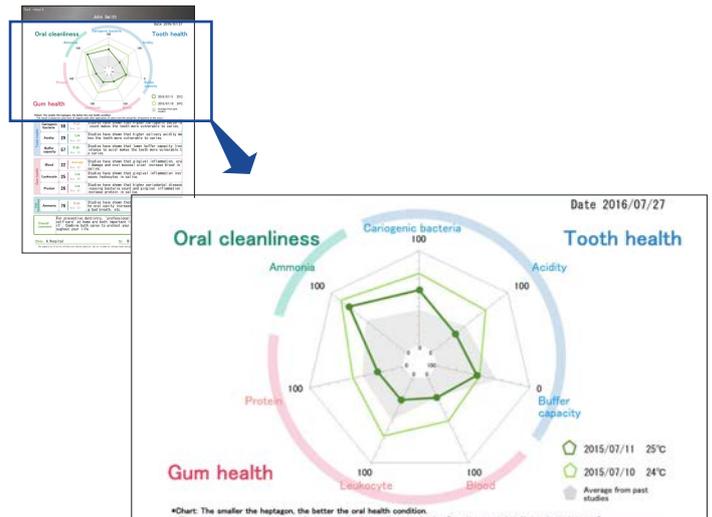
※There are several reporting formats. Please ask your distributor for details.

Specification

Measurement object	Oral rinse sample	External output	Connectable with PC using USB port
Measurement items	Cariogenic bacteria, acidity, buffer capacity, blood, leukocyte, protein, ammonia	Measurement environment	Temperature:10-30℃ Humidity: 30～60%RH (no condensation)
Measurement principle	Dual wavelength reflectometry		Altitude: below 2,000m
Measurement wavelength	565/635/760 (nm)	Dimension	Approx. 160 (W) × 105 (D) × 51 (H) mm
Test strip	SillHa paper	Weight	Approx. 430g (including a rechargeable battery)
Measurement time	Approx. 5min/measurement sample	Power supply	USB (5VDC, rechargeable battery used)
Warm-up time	Maximum 30sec		

※This instrument is for research use only. The test results cannot be used for diagnosis of a disease or diagnostic aid.

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