

Calcium and Zinc are the most important mineral elements. They play an important role in growth, intellectual development and the regulation of the function of lymphocytes. These kits are intended for the in vitro diagnosis and qualitative determination of the Calcium|Zinc level in urine.

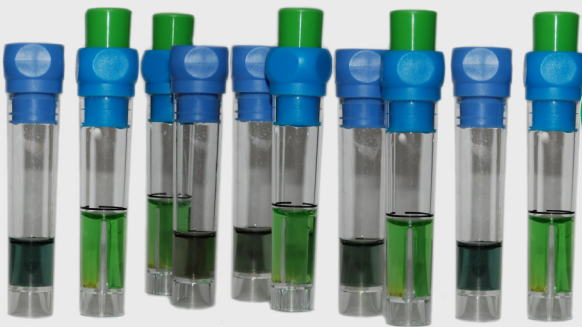


- Accurate
- Fast and easy to use
- Result in just one minute

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Calcium & Zinc Home Test

Accurate | Fast and easy to use | Result in just one minute

Why is Calcium and Zinc important to us

Calcium and Zinc are the most important mineral elements. They play an important role in growth, intellectual development and the regulation of the function of lymphocytes.

Calcium deficiency in children or babies can lead to a variety of disorders that include rickets, dental problems, muscular tics, night terror, night crying, hyperkinetic syndrome and allergic diseases. Calcium deficiency in pregnant women can lead to some pregnancy complications, for example hypertension, tics, osteomalacia, pain in waist and legs etc. Calcium deficiency in old people can lead to osteoporosis and hyperplasia in bony parts of the body. It is also found that diabetes mellitus and hyperlipidemia are related to Calcium deficiency.

Zinc deficiency in children may lead to slowed growth and poor intellectual development, weak immunity and anorexia. Zinc deficiency in pregnant women may cause embryo growth retardation, abnormality or miscarriage. Especially the lack of Zinc can lead to neural tube defect which is ranked No. 1 in birth defections of new born babies. Zinc deficiency in women of childbearing age can lead to infertility. Evaluation of the Zinc level in the human body should be carried out on a regular basis in order to guide people to have proper Zinc supplementation.

The present method and its disadvantages

At present, the common methods for the evaluation of Calcium/Zinc include hair Calcium/Zinc, serum Calcium/Zinc and urine Calcium/Zinc. Serum Calcium/Zinc belongs to wound determination and causes a risk of blood-borne infections. Hair Calcium/Zinc requires expensive equipment and beside this hair is susceptible to environmental pollution which will affect the test result.

Order information

Product	Quantity	Order No.
Calcium Home Test	2 Tests	M0229
Zinc Home Test	2 Tests	M0230

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offers more than 100 *in vitro* diagnostic products including ELISA, POCT (Point of Care Test), Microbiology and CLIA (Chemiluminescence). As an ISO 9001, EN 13485 and GMP certified manufacturer, Autobio supplies high quality products through its well established sales network and is reknown as a reliable OEM partner. For details please visit www.autobio-diagnostics.com

Autobio Diagnostics Co., Ltd. | No. 87 Jingbei Yi Road | National Eco & Tec Development Area | Zhengzhou | China 450016
T: +86-371-6798-5313 | F: +86-371-6798-5804 | E: info@autobio-diagnostics.com | W: www.autobio-diagnostics.com

Autobio's solution

This kit is intended for the *in vitro* diagnosis and qualitative determination of the Calcium|Zinc level in urine.

When the human body lacks Calcium or Zinc, the body will reduce Calcium|Zinc excretion to maintain a Calcium|Zinc equilibrium in the body. Therefore urine Calcium|Zinc can accurately reflect the real time Calcium|Zinc level and the metabolism level of the Calcium|Zinc *in situ*. This product is suitable for routine checks in medical institutions, screening tests and home use.

Test Procedure



Calcium Home Test

1. Collect some urine with the dropper.
2. Add the specimen into the test tube until the mark is reached.
3. Cover the tube and shake it well along the tube until the reagent is completely dissolved in the specimen. Read result according to the color reference comparison card within 3 minutes.



Zinc Home Test

- 1 Remove the whole cap (the green and blue part together) from test tube. Place the cap on the table with the green part facing downwards.



- 2 Add specimen into the test tube until the mark is reached. Cover the tube and shake it well along the tube until the reagent is completely dissolved in the specimen.



- 3 Press the green part downwards (some force is required) until it pierces the blue part.



- 4 Shake the tube up and down in order to complete the reaction.



- 5 Read the result according to the color reference comparison card within 2 minutes.