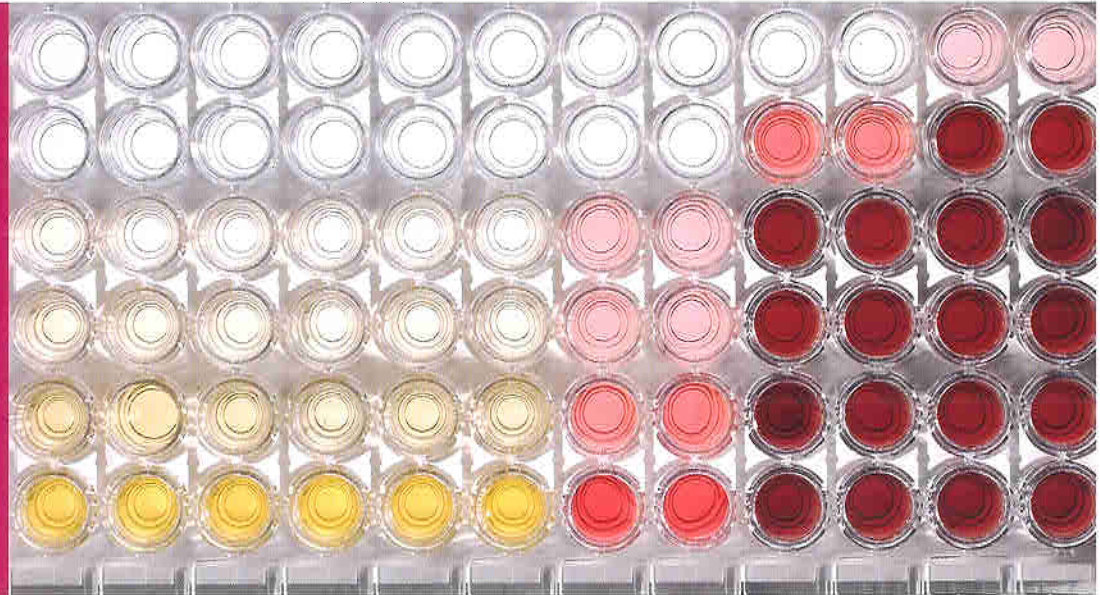




EIA Amplification System



AMPAK™

Lyophilized Reagents

AmpliQ™

Ready-to-use Reagents



- Patented enzyme amplification system
- Increases colour development of alkaline phosphatase (ALP) molecules
- More colour = greater sensitivity & speed
- Can be used in any ALP enzyme labelled EIA
- Established, reliable, thermostable enzyme technology
- Freeze dried or liquid ready-to-use formats
- Flexible protocols, one timed step; adaptable to automation

Advantages of Amplification

AMPAK and AmpliQ enable amplification of the colourimetric signal that is generated by alkaline phosphatase, a commonly used label in enzyme immunoassays (EIA).

One normal chromogenic substrate molecule only produces one coloured product molecule, giving a pale reaction.



With AMPAK and AmpliQ, each enzyme catalysis product cycles many more times to produce more molecules, thus providing more colour.



More colour = greater sensitivity and speed.

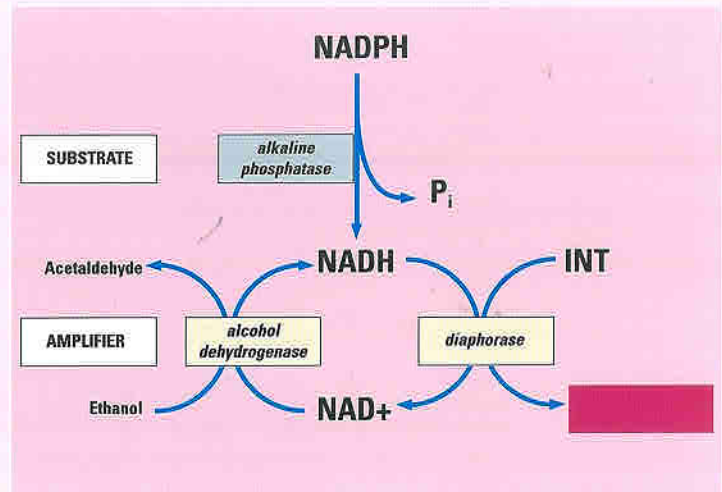
Greater Sensitivity and Speed

AMPAK and AmpliQ can be used as replacements for conventional substrates where greater sensitivity is needed. They have demonstrated up to 100-fold more sensitivity than pNPP.

A direct comparison between AMPAK and pNPP in a quantitative TSH assay

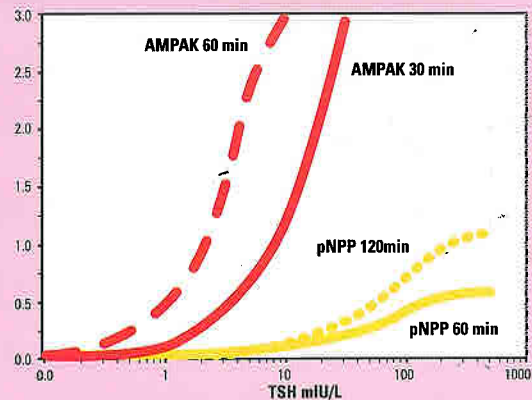


System Principle



Different concentrations of TSH were incubated with a specific anti-TSH antibody ALP conjugate. Bound ALP was then detected using pNPP and AMPAK. The reaction was stopped and the plate read. Amplification factors greater than 100-fold were achieved in convenient incubation times. In a 60 minute incubation response from AMPAK was approximately 200 times greater than conventional pNPP.

AMPAK and AmpliQ are easy to use, requiring only a single incubation, and can be used in any alkaline phosphatase (ALP) enzyme labelled EIA.



Kit Contents and Order Codes

Depending on the volume of reagents used, both products provide sufficient reagents to run up to 384 microtitre determinations.

AMPAK™ Lyophilized reagents

Each kit contains:
 1 bottle enzyme amplifier
 1 bottle amplifier diluent
 1 bottle substrate
 1 bottle substrate diluent
 1 bottle wash buffer concentrate
 1 bottle stopping solution (sulphuric acid)

Order Code: K620011-6

AmpliQ™ Ready-to-Use liquid reagents

One kit contains:
 2 x 13ml bottles liquid Amplifier A
 2 x 13ml bottles liquid Amplifier B
 1 x 125ml bottle Wash Buffer Concentrate
 2 bottles stopping solution (phosphoric acid)

Order Code: K624511-6

Storage

Amplifier Reagents should be stored at 2-8°C before use. DO NOT FREEZE.
 Do not use beyond the stated expiry date.

Precautions

For laboratory use only.

Caution: Contain sodium azide (which is a poison) and phosphoric acid or sulphuric acid. Avoid contact with skin and eyes, do not ingest or pipette by mouth.

Danger: Sodium azide may react with copper and lead plumbing systems to form explosive metal azides. Always flush a minimum of 10 minutes with large volumes of water.

Distribuito da:

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DEDICATED TO MICROBIOLOGY

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