

PyroColor Diazo Reagents

Cat #DIA60-STV

Instructions For Use

For use with Endospecy® ES-24S Kit.



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Materials included with kits:

No.	Description	Volume
1A	Hydrochloric (HCl) solution [for dissolving (1)]	12 mL x 3 vials
1	Sodium nitrite	4.8 mg x 3 vials
2	Ammonium sulfamate	36 mg x 3 vials
3	N-(1-Naphthyl) ethylenediamine dihydrochloride	8.4 mg x 3 vials

Preparation of the diazo-coupling reagents:

Using the reagents supplied with the kit:

1. Add the total volume (12.0 mL) of HCl solution (1A) to the vial of sodium nitrite (1).
2. Reconstitute the vial of ammonium sulfamate (2) with 12.0 mL of distilled water.
3. Reconstitute the vial of N-(1-Naphthyl) ethylenediamine dihydrochloride (3) with 12.0 mL of distilled water.
4. Mix and dissolve the contents by gently swirling the vials to prepare solutions (1), (2), and (3).

Procedure:

Please read the assay package insert prior to performing a test.

1. After assay incubation is completed, immediately add 500 μ L of Solution (1) to each tube and vortex 2 seconds to mix. Promptly add solution (1) to all tubes to ensure that the sample reactions incubate for the same period of time.
2. Add 500 μ L of Solution (2) to each tube and vortex 2 seconds to mix.
3. Add 500 μ L of Solution (3) to each tube and vortex 2 seconds to mix. Full color (magenta) should develop immediately.
4. Measure absorbance at 545 nm using distilled water as a reference.

Precautions in use and handling:

Please read this package insert carefully before using the set.

1. All reagents contained in this set are intended for research purposes only. It is not intended for diagnosis of humans or animals.
2. Care should be exercised in handling all the reagents in the PyroColor DIA60-STV kit. Material Safety Data Sheet (MSDS) available upon request.